10 <sup>1</sup>			$M_{L}=0.3 M_{W}=0.7$	$M_{\rm L}$ =0.6 $M_{\rm w}$ =1.0	$M_{L}=0.7 M_{W}=0.9$	$M_{L}=0.6 M_{W}=0.9$	$M_{L}=1.1 M_{W}=1.1$	$M_{L}=0.4 M_{W}=0.8$
10 <sup>1</sup>	f <sub>c</sub> =78.4 Hz		f <sub>c</sub> =83.2 Hz	f <sub>c</sub> =63.3 Hz	f <sub>c</sub> =79.1 Hz	f <sub>c</sub> =70.8 Hz	f <sub>c</sub> =72.7 Hz	f <sub>c</sub> =61.3 Hz
	2018156105500	2018156132827	2018157010141	2018157013858	2018157121700	2018158072013	2018158204112	2018159000959
10 <sup>1</sup>	$M_L=0.3 M_w=0.6$ $f_c=79.5 Hz$	$-\frac{M_{L}=0.8\ M_{w}=1.0}{f_{c}=83.3\ Hz}$	$- M_{L} = 0.8 M_{w} = 1.1$ $f_{c} = 63.4 \text{ Hz}$	$-\frac{M_{L}=0.5 M_{w}=0.8}{f_{c}=75.9 \text{ Hz}}$	$-\frac{M_{L}=0.6\ M_{w}=0.9}{f_{c}=83.2\ Hz}$	$- M_{L}=0.5 M_{w}=0.8  f_{c}=77.7 Hz$	$M_L=1.0 M_w=1.4$ $f_c=62.7 Hz$	$M_{L}=0.9 M_{w}=1.2$ $f_{c}=57.7 Hz$
10 <sup>1</sup>	.0		-					
10 <sup>1</sup>	2018159011231 	2018159035257 M <sub>L</sub> =0.4 M <sub>w</sub> =0.6	2018159044000 	2018159120046 	2018159152310 M <sub>L</sub> =0.6 M <sub>w</sub> =0.9	2018160051518 	2018160054115 	2018160102510 M <sub>L</sub> =1.4 M <sub>w</sub> =1.6
	f <sub>c</sub> =75.3 Hz	f <sub>c</sub> =92.7 Hz	f <sub>c</sub> =75.6 Hz	f <sub>c</sub> =65.9 Hz	f <sub>c</sub> =90.2 Hz	f <sub>c</sub> =83.0 Hz	f <sub>c</sub> =100.0 Hz	
10 <sup>1</sup>	2018160135358	2018160181943	2018160211026	2018161004449	2018161102425	2018161172544	2018162012825	2018162052548
10 <sup>1</sup>	$M_{L}=0.6 M_{w}=0.8$ $f_{c}=91.3 \text{ Hz}$	$-\frac{M_{L}=0.6\ M_{W}=0.8}{f_{c}=77.8\ Hz}$	$-\frac{M_{\rm L}=0.7\ M_{\rm w}=0.9}{f_{\rm c}=80.7\ \rm Hz}$	-	$-\frac{M_{\rm L}=0.9\ M_{\rm w}=1.2}{f_{\rm c}=67.5\ \rm Hz}$	$- M_{L}=0.7 M_{W}=0.9$ $f_{c}=81.6 \text{ Hz}$	$- M_{L}=0.9 M_{W}=1.2  f_{c}=68.6 Hz$	$M_{L}=0.7 M_{W}=1.0$ $f_{c}=69.7 Hz$
10 <sup>1</sup>	.0 _			-	-9000000		-00000000	
	2018162102701	2018162103517	2018162124708	2018162134139	2018162195803	2018162224749	2018163001121	2018163031320
10 <sup>1</sup>	.2	$f_{c}=0.5 M_{W}=0.8$ $f_{c}=65.0 \text{ Hz}$	$M_L=1.1 M_W=1.4$ $f_c=55.8 Hz$	$M_{L}=1.0 M_{w}=1.3$ $f_{c}=58.0 Hz$	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=81.1 Hz$	$- M_{L}=0.5 M_{W}=0.7  f_{c}=70.4 Hz$	$M_L=0.2 M_w=0.6$ $f_c=84.3 Hz$	$-\frac{M_{L}=0.4\ M_{W}=0.8}{f_{c}=88.4\ Hz}$
10 <sup>1</sup>		201015333334	2010164021000	-	2010165152257	2010155200500	201016003101	2010166111647
10 <sup>1</sup>	2018163115829 	2018163132124 M <sub>L</sub> =0.4 M <sub>w</sub> =0.7	2018164031000 	2018165002042 	2018165152357 M <sub>L</sub> =0.6 M <sub>w</sub> =0.8	2018165200500 	2018166021841 	2018166111647 
	f <sub>c</sub> =80.0 Hz	f <sub>c</sub> =70.1 Hz	f <sub>c</sub> =59.3 Hz	f <sub>c</sub> =85.7 Hz	f <sub>c</sub> =76.9 Hz	f <sub>c</sub> =87.8 Hz	f <sub>c</sub> =80.1 Hz	f <sub>c</sub> =58.4 Hz
1010	2018168094946	2018168112428	2018169024000	2018169033430	2018169042045	2018169213726	2018169230658	2018170012100
10 <sup>1</sup>	$M_L=0.6 M_w=0.8$ $f_c=85.1 \text{ Hz}$	$-\frac{M_{L}=0.4\ M_{W}=0.8}{f_{c}=58.4\ Hz}$	-	-	$M_L=0.8 M_w=1.0$ $f_c=71.3 Hz$	$- M_{L}=0.7 M_{w}=0.9  f_{c}=59.3 Hz$	$- M_{L}=0.7 M_{w}=0.8  f_{c}=60.2 Hz$	$-\frac{M_{L}=0.5 M_{W}=0.7}{f_{c}=70.3 Hz}$
10 <sup>1</sup>	.0	-	-		-			
	2018170013500	2018170022530	2018170070706	2018170141444	2018170145100	2018170191546	2018170200105	2018170210141
10 <sup>1</sup>	$M_L=1.3 M_W=1.6$	$M_L = 0.8 M_w = 1.0$ $f_c = 56.2 \text{ Hz}$	$M_{L}=0.8 M_{W}=1.0$ $f_{c}=55.5 Hz$	-	$M_L=0.7 M_w=0.9$ $f_c=73.9 Hz$	$M_L=0.8 M_w=1.0$ $f_c=62.7 Hz$	$- M_{L}=0.6 M_{W}=0.8  f_{c}=82.6 Hz$	$M_L=0.6 M_w=0.8$ $f_c=82.2 Hz$
10 <sup>1</sup>	2018171001230	2018171003700	2018171005900	2018171034700	2018171100309	2018171100500	2018171101020	2018171113245
10 <sup>1</sup>	.2 _	- M <sub>L</sub> =0.8 M <sub>w</sub> =1.1	- M <sub>L</sub> =1.1 M <sub>w</sub> =1.4		$M_{L}=0.4 M_{W}=0.7$	$M_{L}=0.8 M_{W}=1.1$	$M_{L}=0.5 M_{W}=0.7$	-
10 <sup>1</sup>	.0 _	f <sub>c</sub> =73.0 Hz	f <sub>c</sub> =53.5 Hz	r <sub>c</sub> = <b>4.9</b> Hz	f <sub>c</sub> =78.0 Hz	f <sub>c</sub> =49.6 Hz	f <sub>c</sub> =70.5 Hz	
10.	2018171120032	2018171170704	2018171173814	2018171232614	2018171233929	2018172001100	2018172010600	2018172041700
10 <sup>1</sup>	$M_L=0.6 M_w=0.8$ $f_c=75.9 \text{ Hz}$	$M_L=0.8 M_w=1.0$ $f_c=74.9 \text{ Hz}$	$M_L=1.2 M_W=1.6$	$M_L=0.8 M_w=1.1$ $f_c=56.9 \text{ Hz}$	$-\frac{M_{L}=0.8\ M_{W}=1.1}{f_{c}=67.9\ Hz}$	$- M_{L}=0.7 M_{w}=0.9  f_{c}=75.5 Hz$	$- M_{L}=0.4 M_{W}=0.6  f_{c}=83.9 \text{ Hz}$	$M_L=1.0 M_w=1.3$ $f_c=42.5 Hz$
10 <sup>1</sup>								
10 <sup>1</sup>	2018172070230 	2018172090030 M <sub>L</sub> =0.7 M <sub>w</sub> =1.0	2018172175518 	2018172180735 	2018172183326 	2018172230708 	2018172234909 	2018173042858 M <sub>L</sub> =0.6 M <sub>w</sub> =0.8
	f <sub>c</sub> =58.5 Hz	$\begin{array}{c} - & M_{L}=0.7 \ M_{W}=1.0 \\ f_{c}=58.0 \ Hz \end{array}$	$M_{L} = 0.9 M_{W} = 1.1$ $f_{c} = 73.7 \text{ Hz}$	$- M_{L}=0.5 M_{w}=0.7$ $f_{c}=66.9 \text{ Hz}$	$M_{L}=1.0 M_{W}=1.3$ $f_{c}=55.5 Hz$	$M_{L}=1.1 M_{W}=1.4$ $f_{c}=49.1 Hz$	$M_{L}$ =0.0 $M_{w}$ =0.8 $f_{c}$ =64.6 Hz	$M_L = 0.6 M_w = 0.8$ $f_c = 65.3 \text{ Hz}$
10 <sup>1</sup>	2018173043508	2018173072237	2018173130130	2018173142304	2018173151655	2018173181236	2018173191258	2018173214953
10 <sup>1</sup>	.2 - $M_L = 0.8 M_w = 1.1$ $f_c = 54.1 \text{ Hz}$	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=69.8 \text{ Hz}$	$- M_{L}=0.9 M_{w}=1.1  f_{c}=47.0 Hz$	$M_{L}=1.0 M_{w}=1.3$ $f_{c}=59.7 Hz$	$M_{L}=0.7 M_{W}=1.0$ $f_{c}=82.9 \text{ Hz}$	$- M_{L}=1.1 M_{W}=1.4 f_{c}=64.2 Hz$	$- M_{L} = 0.6 M_{W} = 0.8$ $f_{c} = 79.7 \text{ Hz}$	$-\frac{M_{L}=0.5 M_{w}=0.8}{f_{c}=77.6 \text{ Hz}}$
10 <sup>1</sup>	.0 _					-		
	2018173220003	2018174040400	2018174043300	2018174062000	2018174064100	2018174085934	2018174131934	2018174154112
10 <sup>1</sup>	$M_L=1.1 M_w=1.3$ $f_c=49.6 Hz$		$- M_{L}=0.4 M_{w}=0.7  f_{c}=73.4 Hz$	$- M_{L}=0.8 M_{W}=1.1  f_{c}=50.5 Hz$	$-\frac{M_{L}=0.5 M_{w}=0.7}{f_{c}=70.0 \text{ Hz}}$	$M_{L}=0.8 M_{W}=1.0$ $f_{c}=70.0 Hz$	$- M_{L}=0.5 M_{w}=0.9  f_{c}=85.1 Hz$	$M_{L}=0.7 M_{w}=0.9$ $f_{c}=60.7 Hz$
(EN) 10 <sup>1</sup>	2018175062422	2018175071713	2018175132759	2018176001813	2018176155852	2018176170554	2018176210520	2018177104730
ctrum $\omega$ M (Nm) 101	$M_{L}=0.5 M_{W}=0.7$	$M_{L}=0.9\ M_{W}=1.3$	$M_{L}=0.8 M_{W}=1.1$	$M_{L}=1.2 \ M_{W}=1.5$	$M_{L}=0.9 M_{W}=1.1$	2010170170334	$M_{L}=1.5 M_{w}=1.7$	$M_{\rm L} = 0.6 M_{\rm W} = 0.9$
spe	I <sub>c</sub> =62.6 Π2	f <sub>c</sub> =64.5 Hz	f <sub>c</sub> =65.6 Hz	f.=57.9 Hz	f <sub>c</sub> =58.5 Hz	<i>f</i> <sub>c</sub> =1,3 Hz		f <sub>c</sub> =48.4 Hz
source displacement	2018178152609	2018178222942	2018179053245	2018179233042	2018180013150	2018180040100	2018180094138	2018181040940
urce disp	.2 - M <sub>L</sub> =1.4 M <sub>W</sub> =1.7	$M_L = 0.8 M_w = 1.2$ $f_c = 55.3 \text{ Hz}$	$M_L=0.8 M_w=1.1$ $f_c=66.4 Hz$	$M_L=1.0 M_w=1.3$ $f_c=60.2 Hz$	$M_L=1.1 M_W=1.4$ $f_c=51.1 Hz$	$-\frac{M_{\rm L}=0.8~M_{\rm w}=1.1}{f_{\rm c}=57.2~{\rm Hz}}$	$M_{L}=0.9 M_{W}=1.1$ $f_{c}=68.4 \text{ Hz}$	$M_{L}=0.7 M_{w}=1.0$ $f_{c}=58.5 Hz$
0S 10 <sup>1</sup>	.0 -		-		-		-	
	2018181065239	2018181192300	2018182124340	2018182203248	2018182212250	2018182233301	2018183155952	2018183202531
10 <sup>1</sup>	$M_L=1.0 M_w=1.3$ $f_c=48.0 Hz$	$f_c = 61.4 \text{ Hz}$	$- M_{L}=1.1 M_{w}=1.3  f_{c}=58.3 Hz$	$M_L=1.2 M_w=1.5$ $f_c=47.3 Hz$	$M_L=0.9 M_w=1.2$ $f_c=58.2 Hz$	$- M_{L}=1.1 M_{W}=1.3  f_{c}=54.7 Hz$	$M_{L}=1.1 M_{W}=1.1$ $f_{c}=60.2 Hz$	$M_{L}=0.7 M_{W}=1.0$ $f_{c}=61.4 Hz$
10 <sup>1</sup>	2018183215029	2018184003003	2018184201046	2018184202906	2018185001326	2018185014623	2018185034551	2018185120950
10 <sup>1</sup>	$M_{L}=0.7 M_{W}=1.0$ $f_{c}=61.8 \text{ Hz}$	$M_{L}=0.7 M_{w}=0.9$ $f_{c}=63.8 \text{ Hz}$	- M <sub>L</sub> =1.4 M <sub>W</sub> =1.7	-	$M_{L}=0.8 M_{w}=1.0$ $f_{c}=64.5 Hz$	$M_{L}=0.9 M_{W}=1.1$ $f_{c}=58.0 \text{ Hz}$	$- M_{L}=0.5 M_{W}=0.7  f_{c}=67.7 Hz$	$-\frac{M_{L}=0.7 \ M_{w}=0.8}{f_{c}=63.4 \ Hz}$
10 <sup>1</sup>	.0 _			-				
	2018185145450	2018185155423	2018186070100	2018186092109	2018186115357	2018186131522	2018186202646	2018186215007
10 <sup>1</sup>	$M_L=0.6 M_w=0.9$ $f_c=63.5 Hz$	$-\frac{M_{L}=0.6\ M_{w}=0.8}{f_{c}=73.1\ Hz}$	- M <sub>L</sub> =1.3 M <sub>w</sub> =1.7	$M_L = 0.8 M_w = 1.1$ $f_c = 49.4 \text{ Hz}$	$M_L$ =0.6 $M_w$ =0.9 $f_c$ =46.3 Hz	- M <sub>L</sub> =1.4 M <sub>w</sub> =1.6	$M_L=1.0 M_w=1.3$ $f_c=59.0 Hz$	$M_{L}=0.7 M_{w}=1.0$ $f_{c}=70.3 Hz$
10 <sup>1</sup>	2018187034808	2018187062657	2018187084836	2018188142051	2018188161324	2018188173124	2018188175428	2018188193122
10 <sup>1</sup>	$M_{L}=0.7 M_{W}=1.0$	$M_{L}=0.8 M_{W}=1.1$	$M_{L}=0.7 M_{W}=1.0$	$M_{L}=0.6 M_{W}=0.9$	$M_{L}=0.7 M_{W}=0.9$	$M_{L}=0.6 M_{W}=0.8$	$M_{L}=0.4 M_{w}=0.7$	$M_{\rm L} = 0.5 M_{\rm W} = 1.1$
10 <sup>1</sup>	f <sub>c</sub> =62.6 Hz	f <sub>c</sub> =53.0 Hz	f <sub>c</sub> =47.2 Hz	f <sub>c</sub> =80.0 Hz	f <sub>c</sub> =74.2 Hz	f <sub>c</sub> =67.0 Hz	f <sub>c</sub> =73.1 Hz	f <sub>c</sub> =56.0 Hz
10,	2018188202905	2018188214438	2018188214700	2018188214802	2018189060720	2018189070845	2018189095118	2018189132738
10 <sup>1</sup>	$M_L=0.8 M_w=1.1$ $f_c=55.5 Hz$	$- M_{L}=0.8 M_{w}=1.0  f_{c}=59.6 Hz$	$- M_{L}=0.6 M_{W}=0.9$ $f_{c}=55.3 Hz$	$M_L=0.8 M_w=1.2$ $f_c=54.3 Hz$	$- M_{L}=0.6 M_{w}=0.9  f_{c}=69.6 Hz$	$f_{c}=3.0$ $f_{c}=3.0$ Hz	$- M_{L}=0.5 M_{w}=0.7$ $f_{c}=71.9 Hz$	$-\frac{M_{L}=0.6\ M_{W}=0.9}{f_{c}=67.4\ Hz}$
10 <sup>1</sup>	•		-		0000			
10 <sup>1</sup>	.2 - M <sub>L</sub> =1.1 M <sub>w</sub> =1.3	2018189142028 	2018189152317 	2018189160854 	2018189163251 	2018189173537 	2018189195043 	2018190005253 
	f <sub>c</sub> =65.6 Hz	$f_{c}$ =68.8 Hz	$f_{c}=60.1 \text{ Hz}$		$f_{c} = 78.6 \text{ Hz}$	$f_{c}=63.8 \text{ Hz}$	$M_L = 1.5 M_W = 1.6$	$f_{c}=67.1 \text{ Hz}$
10 <sup>1</sup>	2018190020811	2018190025747	2018190155046	2018193142500	2018193204529	2018194085018	2018194133411	2018195011432
10 <sup>1</sup>	$M_L=0.6 M_w=0.8$ $f_c=75.2 Hz$	$M_L=0.9 M_w=1.2$ $f_c=49.7 \text{ Hz}$	$- M_{L} = 0.5 M_{w} = 0.7$ $f_{c} = 85.9 \text{ Hz}$	$M_L=0.6 M_w=0.9$ $f_c=59.8 \text{ Hz}$	$-\frac{M_{L}=0.8\ M_{W}=1.0}{f_{c}=60.6\ Hz}$	$-\frac{M_{L}=0.8\ M_{w}=1.1}{f_{c}=54.7\ Hz}$	-	$M_{L}=0.7 M_{w}=1.0$ $f_{c}=68.8 \text{ Hz}$
10 <sup>1</sup>	.0 -							
	2018195074501	2018195123640	2018195172331	2018195195343 	2018196003937	2018196010738	2018196071020	2018196133941
10 <sup>1</sup>	$M_L=0.7 M_w=0.9$ $f_c=82.2 Hz$	$f_{c}=0.7 M_{W}=1.0$ $f_{c}=68.3 Hz$	$- M_{L}=0.6 M_{W}=0.7$ $f_{c}=79.5 Hz$	$M_{L}$ =0.6 $M_{w}$ =0.9 $f_{c}$ =65.9 Hz	$f_{\rm c} = 40.6  {\rm M}_{ m W} = 2.0$	$M_{L}=0.9 M_{W}=1.2$ $f_{c}=64.7 Hz$	$M_{L}=0.6 M_{W}=0.9$ $f_{c}=74.7 \text{ Hz}$	- M <sub>L</sub> =1.3 M <sub>W</sub> =1.7 -39.8 Hz -
10 <sup>1</sup>	2018196200450	2018197015541	2018197070436	2018197091659	2018197172535	2018197183626	2018199080816	2018199104200
10 <sup>1</sup>	$M_{L}=0.9 M_{w}=1.3$ $f_{c}=54.8 \text{ Hz}$	$M_{L}=0.7 M_{w}=1.0$ $f_{c}=79.6 \text{ Hz}$	$- M_{L} = 0.5 M_{w} = 0.7$ $f_{c} = 76.3 \text{ Hz}$	$M_L=0.5 M_w=0.7$ $f_c=74.6 \text{ Hz}$	$M_{L}=1.2 M_{W}=1.6$	$- M_{L}=0.5 M_{w}=0.8  f_{c}=77.4 Hz$	$-\frac{M_{\rm L}=0.5~M_{\rm w}=0.8}{f_{\rm c}=88.8~{\rm Hz}}$	$-\frac{M_{L}=1.0 M_{W}=1.3}{f_{c}=55.9 \text{ Hz}}$
10 <sup>1</sup>	.0 _	-						-
	2018199170820	2018199170914	2018199194117	2018199204703	2018199224500	2018200015608	2018200040208	2018200082657
10 <sup>1</sup>	$M_L=1.1 M_w=1.3$ $f_c=52.7 Hz$	-	$- M_{L}=0.9 M_{w}=1.2  f_{c}=58.9 Hz$	$- M_{L}=1.2 M_{w}=1.6$ $- 5=54.0 Hz$	$- M_{L} = 1.5 M_{W} = 1.7$	$- M_{L}=0.6 M_{w}=0.8  f_{c}=81.6 Hz$	$- M_{L}=0.7 M_{w}=1.1  f_{c}=53.5 Hz$	$f_{c}=0.6 M_{w}=0.8$ $f_{c}=76.1 \text{ Hz}$
10 <sup>1</sup>	2018200100833	2018200100919	2018200102006	2018200105407	2018200105452	2018200105703	2018200134612	2018200143037
10 <sup>1</sup>	L	M <sub>L</sub> =0.8 M <sub>w</sub> =1.0	2010200102006	M <sub>L</sub> =0.6 M <sub>w</sub> =0.8	$M_{L}=0.7 M_{W}=0.9$	$M_{L}=1.2 M_{W}=1.3$	- M <sub>L</sub> =0.5 M <sub>w</sub> =0.7	$M_{\rm L} = 0.5 M_{\rm W} = 0.8$
	f <sub>c</sub> =61.2 Hz	f <sub>c</sub> =71.7 Hz		f <sub>c</sub> =58.7 Hz	f <sub>c</sub> =61.0 Hz	f <sub>c</sub> =71.5 Hz	f <sub>c</sub> =71.9 Hz	f <sub>c</sub> =75.0 Hz
10 <sup>1</sup>	2018200170651	2018200191849	2018201073346	2018201152715	2018202112855	2018202134535	2018202144515	2018202222748
10 <sup>1</sup>	$M_{L}=0.5 M_{w}=0.6$ $f_{c}=85.0 \text{ Hz}$	$M_L = 0.5 M_w = 0.8$ $f_c = 87.2 \text{ Hz}$	-	$M_{L}$ =0.6 $M_{w}$ =0.8 $f_{c}$ =76.9 Hz	$M_{L}=0.7 M_{W}=1.0$ $f_{c}=70.5 Hz$	$-\frac{M_{L}=0.5 M_{w}=0.7}{f_{c}=74.1 \text{ Hz}}$	$-\frac{M_{\rm L}=0.7~M_{\rm W}=0.8}{f_{\rm c}=81.8~{\rm Hz}}$	$M_{L}=1.0 M_{W}=1.3$ $f_{c}=68.9 \text{ Hz}$
10 <sup>1</sup>			_					-00000000
	2018202225701	2018202234429	2018203030928	2018203081713	2018203090059	2018203113243	2018203124722	2018203171420
10 <sup>1</sup>	$M_L=0.5 M_W=0.7$ $f_c=74.4 \text{ Hz}$	$M_L=1.1 M_w=1.2$ $f_c=64.9 \text{ Hz}$	$M_{L}=0.7 M_{W}=1.0$ $f_{c}=70.3 Hz$	$- M_{L}=0.5 M_{w}=0.8$ $f_{c}=72.6 \text{ Hz}$	$M_{L}=1.4 M_{W}=1.5$ f=56.6 Hz	$- M_{L}=0.9 M_{W}=1.4  f_{c}=54.2 Hz$	$- M_{L} = 0.5 M_{W} = 0.7$ $f_{c} = 75.8 \text{ Hz}$	<b>₽</b> 35
10 <sup>1</sup>	2018203174444	2018203230921	2018203232316	2018204160756	2018204220258	2018204234743	2018205205035	- 28 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14
	10 100	10 100	10 100	10 100 frequency (Hz)	10 100	10 100	10 100	u
				equency (∏Z)				