



Lower - arm  
63,586

가 FE

Fig. 5.1

Rear Front  
(IRHD)

Mooney - Rivlin

4. 가

4.1 PQRSM

, Abaqus

Input/Output file Batch File

, PIAAnO  
Data mapping

PIAnO

25

PQRSM

Table 1 Optimized design parameter

Parameter	Original	Optimized	Difference
Front bush forward length (mm)	0	+10.00	+10.00
Front bush backward length (mm)	0	+3.94	+3.94
Front bush hardness (IRHD)	70	60	-10
Acceleration value of rear bush (dB)	134.0	124.8	-9.2
Peak frequency (Hz)	230	225	-5

134dB Rear bush  
124.8dB 9.2dB

4.2

FE Simulation

210Hz  
, 49.8dB

Lower - arm

Front bush 10mm  
70)

60(  
44.7dB

, 5.1dB

Fig. 1

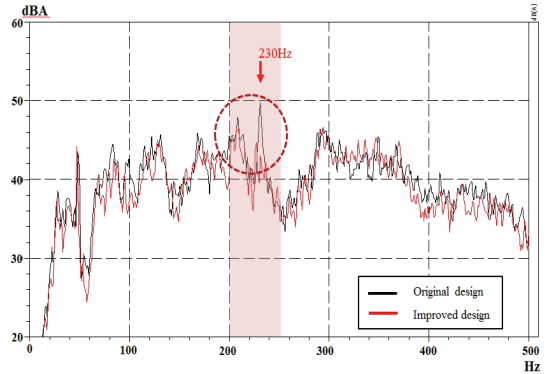


Fig.1 Comparison of the interior noise before and after

4.