

General Inspection Checklist for Swing (EN)

Scope:

A general quality inspection checklist for child swing for domestic use if clients have not defined their requirement.

Defective Classification

- * Critical Defect Defects which could result in hazardous or unsafe conditions for individuals using or maintaining the product as well as defects contravening legal regulations;
- * **Major Defect** Function defects reducing the usability or solidity of the product as well as obvious visual defects reducing the sales value of the product.
- * Minor Defect Defects that are unlikely to reduce the use of the product, but nevertheless may influence the sale.

ltem Code	Details	Defective classification		
		Critical	Major	Minor
1	Packaging check (For all sample size)			
	Non-conform found	Reject		
2	General appearance (For all sample size)			
	Sharp point and sharp edge	\checkmark		
	Live insert/ mildew	\checkmark		
	Knives, blades, needles and similar sharp foreign object contamination.	\checkmark		
	Incorrect material used			
	Wrong color or style or type			
	Excessive/ unpleasant odor			
	Damaged/incorrect warning/caution label or marking			
	Missing/incorrect other label or marking			
	Wrong instruction, missing instruction	\checkmark		
	Deformed, scratched, dirty mark, dent mark		\checkmark	\checkmark
	Poor coating, plating, polish		\checkmark	\checkmark
	Hole, Gap, Opening do not comply with standard's requirement, can injure fingers or other parts of the body	\checkmark		
	Corners and exposed edges on moving part shall have a min radius of 3mm, (except swing elements with a mass of 1000g or less, should be rounded)	\checkmark		
	Bolt ends, threaded bolt ends or other similar rigid protruding			

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	from swing whic						
	be protected, th						
	according to EN71-1 8.4.2.3 60+/-2N over 5s, maintain the				e		
	force for 10s, no						
	Swing intended				the seats o	of √	
	swing without ba			VICE			
	Dead knot / hole	e mark of w	lood				V
	Corrosion / rust	mark on m	etal parts				
3	Bar Code verification (3pcs, at least 1 sample/item)						
	Non-conform for	und				Reject	
Ļ	Data Measuren	nent & On-	site Test				
•		(3pcs, at le	east 1 sam	ple/item)		
	Size check						
4	a1) The measur	red data (e	.g. overall	size, seat s	ize) is out c	Reject	
	Spec tolerance	-					
	a2) Means of	•		-		Reject	
	minimum diame		,				
	a3) Min cleara		•	•			
	adjacent struct			n cross <mark>bea</mark>	m height :	>	
	1200mm not ma	atch below	table				
				elements and adjace		Reject	
	Clearances in millimetres between:	Free-swinging elements	Semi-flexible elements	With rigid means of suspension	Adjacent structure of swing device	Reject	
	Free-swinging elements	450	450	450	300		
	Semi-flexible elements Elements with rigid means of	450 450	300 300	300	300 300		
	suspension	100					
	a4) Lateral stab suspension) size A = 0.04 H			4		Pass	
	a5) Min clearance between swing element and ground for crossbeam height <= 1200mm 200mm for crossbeam height > 1200mm 350mm						
	for crossbeam h	neight <= 12	200mm 2	•	lound	Pass	

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	Figure 9 — Maximum opening in chains for swings	. ć	
В	Weight check The measured data is out of spec tolerance range	Reject	
	Assembly check		
с	Assembly the swing according to the instruction man should not find any unsafe, malfunction defect, cannot assembled.		
D	Tension test for small part Any projection that a child can grasp with at least the thu and forefinger or the teeth. Apply a force to pull on small parts: 50N when the largest accessible dimension is 6mm or le 90N when the largest accessible dimension greater than 6r The force gradually within 5s and maintain force for 10s; Any small part, sharp point and edge be found or refer client's requirement Tension test for seams and material	ess; nm	
	For soft-filled toys containing small parts Apply a force of 70+/-2N over a period of approximately maintain 10s, then insert Accessibility probe under a fo of 10N or less For other-filled toys Apply a force of 70+/-2N over a period of approximately maintain 10s, then insert rod of front part dia 12mm a radiused end, under a force of 10N or less	rce Reject 5s,	
E	Actual use check Actual use the swing as normally, during the test, should find any unsafe, malfunction defect, or cannot comply w claiming or client's requirement.		
F	Stability check For swing height more than 1200mm Apply 500+/-20 N horizontal forces per user on suspens points gradually and simultaneously.	ion Reject	

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	Tabl					
		e 4 — Examples of horizontal fo	orces			
	Number of children	Number of suspension points	Force in N (newton) per suspension point			
	1	1	500			
	1	2	250			
	1	4	125			
	2	1	1 000			
	2 2	2	500 250			
	3	1	1 500			
	3	2	750			
	3	4	375			
	4	1	2 000			
	4	2 4	1 000 500			
	For swing height 12					
	or the max angle prevent swing mov	and release it (s	top 1 shall be us	ed to		
S	The unit tip over Strength check	2	<u> </u>			
G G	Strength check For swing height m Apply a load of 200 hour; then apply simultaneously for for swing height 12	200mm or less			oct	
G G G	Strength check For swing height m Apply a load of 200 hour; then apply simultaneously for For swing height 12 Apply a load of 66-	0+/-10kg on each s a load of 50+, 1 hour 200mm or less -/-3kg for 1 hour should not find at	/-2kg on each	sitting Reje	oct	
G G G	Strength check For swing height m Apply a load of 200 hour; then apply simultaneously for For swing height 12 Apply a load of 66- During the test, st lefect, or broken, o	0+/-10kg on each s a load of 50+, 1 hour 200mm or less -/-3kg for 1 hour should not find at	/-2kg on each ny unsafe, malfu	sitting Reje	ect	
G G H L	Strength check For swing height m Apply a load of 200 hour; then apply simultaneously for For swing height 12 Apply a load of 66- During the test, st lefect, or broken, o	0+/-10kg on each s a load of 50+, 1 hour 200mm or less -/-3kg for 1 hour should not find at damaged.	/-2kg on each ny unsafe, malfu	sitting Reje	ect	
G F G F G F G F	Strength check For swing height m Apply a load of 200 hour; then apply simultaneously for for swing height 12 or swing height 1	0+/-10kg on each s a load of 50+, 1 hour 200mm or less -/-3kg for 1 hour should not find at damaged.	/-2kg on each ny unsafe, malfur ements	sitting Reje	ect	
G F H I F	Strength check For swing height m Apply a load of 200 hour; then apply simultaneously for for swing height 12 oply a load of 66- During the test, s lefect, or broken, o Determination of in TBA Flexible plastic s neasurement for s	0+/-10kg on each s a load of 50+, 1 hour 200mm or less -/-3kg for 1 hour should not find an damaged. 	/-2kg on each ny unsafe, malfu ements any backing thic	sitting Reje		

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7	Carton drop according to ISTA-1A (1 carton/item)		
	Critical defect or malfunction or broken carton cannot shipped;	be Reject	
	Wrinkle carton or slightly visual defect on unite such slightly scratch or deformation which that does not affect the shipment		rt

Note: Check the product from 50cm distance,

if you can see the defect, then class as a major defect. if you can't see the defect, then class as a minor defect.

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