Parent

ISO 32000-2:2020 with errata (07-2024) ***Legend below.***	***StructTreeRoot*** [1]	***Document***	***DocumentFragment***	***Part***	***Div***	***Sect***	***Aside***	***NonStruct***	***Title***	***Sub***	***P***	***Hn***	***H***	***Lbl***	***Em***	***Strong***	***Span***	***Link***	***Annot***	***Form***	***Ruby***	***RB***	***RT***	***RP***	***Warichu***	***WT***	***WP***	***FENote***	***L***	***LI***	***LBody***	***Table***	***TR***	***TH***	***TD***	***THead***	***TBody***	***TFoot***	***Caption***	***Figure***	***Formula***	***Artifact***
Document	1	0..n	0..n	‡	‡	Ø	0..n	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
DocumentFragment	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø	Ø	0..n
Part	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Div	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	0..n	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	0..n	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Sect	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	Ø	Ø	Ø	0..1	0..1	Ø	Ø	Ø	Ø	0..n	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	Ø	0..n
Aside	Ø	0..n	0..n	‡	‡	0..n	Ø	‡	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	0..n	0..n	0..n
NonStruct	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n
P	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Hn	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
H	Ø	0..1	0..1	‡	‡	0..1	0..1	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..1	Ø	Ø	0..1	0..1	Ø	Ø	Ø	0..1	0..1	0..1	0..1
Title	Ø	0..n	0..n	‡	‡	0..n	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
Sub	Ø	Ø	Ø	‡	‡	Ø	Ø	‡	Ø	Ø	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø*	0..n	0..n
Lbl	Ø	Ø	Ø	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	Ø	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	0..n	Ø	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Em	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Strong	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Span	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Link	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	0..n	Ø	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Annot	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Form	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø*	Ø*	Ø	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Ruby	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
RB	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	[a]	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
RT	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	[a]	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
RP	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	[a]	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
Warichu	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
WT	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	[b]	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
WP	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	[b]	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
FENote	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
L	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	0..n	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
LI	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
LBody	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
Table	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
TR	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	Ø	0..n	0..n	0..n	Ø	Ø	Ø	0..n
TH	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
TD	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
THead	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..1	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
TBody	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
TFoot	Ø	Ø	Ø	Ø	‡	Ø	Ø	‡	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..1	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n
Caption	Ø	Ø	Ø	‡	‡	0..n	0..1	‡	0..1	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	Ø*	0..1	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø*	0..1	Ø	0..1	0..1	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..1	0..1	0..1
Figure	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	0..n	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Formula	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø*	Ø	Ø	Ø	Ø	Ø	Ø	Ø	0..n	Ø	Ø	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n
Artifact	Ø	0..n	0..n	‡	‡	0..n	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	Ø	0..n	0..n	0..n	Ø	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n
content item	Ø	Ø	Ø	Ø	Ø	Ø	0..n	‡	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	0..n	‡	‡	‡	0..n	‡	‡	0..n	Ø	0..n	0..n	Ø	Ø	0..n	0..n	Ø	Ø	Ø	0..n	0..n	0..n	0..n

Child

[1] **StructTreeRoot** refers to the structure tree root dictionary (see ISO 32000-2, "Table 354 — Entries in the structure tree root") and is not the name of a structure element.

Legend:

1	Ø	Ø*	0..n	0..1	‡	[a]	[b]
Shall occur exactly once.	**Shall not** occur.	**Shall not** occur unless the parent element is used as a grouping level element.	May be a child element with one or more occurrences, but is not required to be present.	May occur, but **shall not** occur more than once.	For containment rules, refer to the respective structure element type's description.	For specific provisions when and how these structure elements or content can be contained inside a **Ruby** structure element see ISO 32000-2, §14.8.4.7.3, "Ruby and Warichu elements"	For specific provisions when and how these structure elements or content can be contained inside a **Warichu** structure element see ISO 32000-2, §14.8.4.7.3, "Ruby and Warichu elements"