

**1 - Mechanical hazards**

**Hazard present**

**1.3 - Crushing**

**Human interaction during the whole life cycle of the machine**

Human interaction during the whole life cycle of the machine

**State of the machine | Operating condition**

State of the machine | Operating condition

**Unintended behaviour of the operator or reasonably foreseeable misuse of the machine**

Unintended behaviour of the operator or reasonably foreseeable misuse of the machine

**Use limits**

Use limits

**Space limits**

Space limits

**Time limits**

Time limits

**Other limits**

Other limits

**Hazardous situation**

Hazardous situation

**Hazardous event**

Hazardous event

**Hazard zone**

Hazard zone

**Initial risk evaluation**

(Single operator)

ISO/TR 14121-2:2012 p. 6.5 Hybrid Tool

Se(2) | Fr(3) + Pr(5) + Av(5) = Cl(13): Safety measures required

Consequences / Severity (Se)	Class Cl (Fr+Pr+Av)					Frequency (Fr)	Probability (Pr)	Avoidance (Av)	
	4	5-7	8-10	11-13	14-15				
Death, losing an eye or arm	4					<= 1h	5 Very high	5	
Permanent, losing fingers	3					> 1h to <= 24h	5 Likely	4	
Reversible, medical attention	2					> 24 to <= 2w	4 Possible	3 Impossible	5
Reversible, first aid	1					> 2w to <= 1y	3 Rarely	2 Possible	3
						> 1y	2 Negligible	1 Likely	1

**Inherently safe design measures**

Inherently safe design measures

**Safeguarding**

Safeguarding

**Complementary protective measures**

Complementary protective measures

**Information for use**

Information for use

**Safety signs**



**5.1**

General warning  
sign



**4.1**

General prohibition  
sign



**3.1**

General mandatory  
action sign



**3.9**

Wear protective  
gloves

**Final risk evaluation**

**Card date:** 01.09.2024 - **R.A.:** HZA-001

**Comply**

Project:

Machinery:

Report Reg. (EU) 2023/1230 EN

**Machinery 03**

**Year:** 2024

Certifico S.r.l.

**Mod.:** Type/model

**Serial:** Batch/serial number

**Rev.:** 00

**1 - Mechanical hazards**
**Hazard present**
**1.3 - Crushing**

(Single operator)

ISO/TR 14121-2:2012 p. 6.5 Hybrid Tool

 $Se(2) | Fr(3) + Pr(1) + Av(1) = Cl(5): OK$ 

Consequences / Severity (Se)	Class Cl (Fr+Pr+Av)					Frequency (Fr)	Probability (Pr)	Avoidance (Av)	
	4	5-7	8-10	11-13	14-15				
Death, losing an eye or arm	4					<= 1h	5 Very high	5	
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						> 1y	2 Negligible	1 Likely	1

**Residual risk**

Residual risk

**Technical standards applied**

Technical standards applied

**Notes**

Notes

**EHSR Annex III - Correspondence**

- 1.1.1 - Applicability
- 1.1.2 - Principles of safety integration
- 1.1.3 - Materials and products
- 1.1.4 - Lighting
- 1.1.5 - Design of machinery or a related product to facilitate its handling
- 1.1.6 - Ergonomics
- 1.1.7 - Operating positions
- 1.1.8 - Seating
- 1.1.9 - Protection against corruption

1.3 - Crushing (HZA-001)

**Card date:** 01.09.2024 - **R.A.:** HZA-001

**Reduction:** 13/2 5/2

**Comply**

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