

**Certifico S.r.l.** Phone 1: +39 075 599 73 63

Via Antonio De Curtis, 28 - 06135 Perugia PG

www.certifico.com

info@certifico.com

#### 1 - Mechanical hazards

# 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 | Operationg 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)

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

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

**Hazard present** 

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

#### Inherently safe design measures

Inherently safe design measures

### Safeguarding

Safeguarding

### **Complementary protective measures**

Complementary protective measures

#### Information for use

Information for use

# Safety signs



General warning sign

Final risk evaluation



General prohibition sign



General mandatory action sign



Wear protective gloves

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

Comply



Project:	Machinery:		
Report Reg. (EU) 2023/1230 EN	Machinery 03		<b>Year:</b> 2024
Certifico S.r.l.	Mod.: Type/model	Serial: Batch/serial number	Rev.: 00

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Hazard present

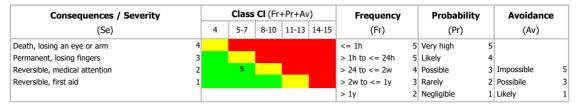
#### 1 - Mechanical hazards

# 1.3 - Crushing

(Single operator)

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

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



#### 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

Card date: 01.09.2024 - R.A.: HZA-001 Reduction: 13/2 5/2 Comply



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