

# **Ergonomic work environment in Denmark**



Ivan synes de havde travit, men det var ikke noget Benny tog så tungt.

i-bar.dk - når du vil vide mere om tunge løft



Nordic Labour Inspection Conference 2024

Janne Thomsen and Mette Jacobsen

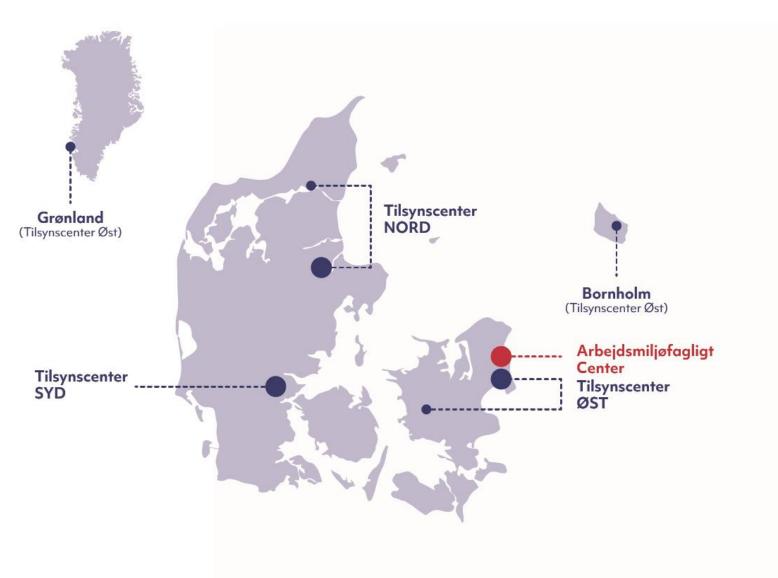
## The Danish Working Environment Authority (WEA)

Denmark and Greenland

Approx. 800 employees in total

Of these **350 inspectors** 

Employees with many different skills





### What is the task?

Inspection

Communication

 Regulation and working environment development





## The inspection effort

4 Inspector groups in each center.

Inspectorgr. 1: Construction Social dumping



Inspectorgr. 3: Social /health Shops





Inspectorgr. 2: Industry Agriculture Restaurant/Bars



Inspectorgr. 4: Education Transport



## Inspections of enterprises

- Basic Inspections (risk-based)
- Full spectrum Inspections (at construction sites)
- Detailed Inspections
  - Complaints
  - Accidents
  - Control visits
- Social dumping Inspections





## **WEA Responses**

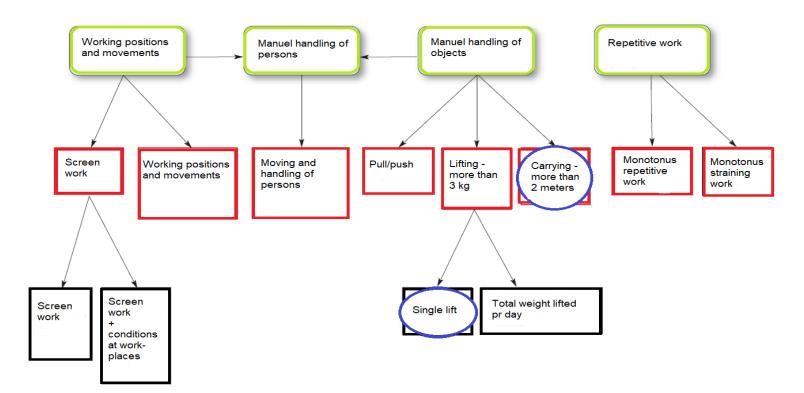
- Immediate improvement notice (Strakspåbud)
- Improvement notice with time limit (Påbud)
- Notice of violation (Påtale)
- Agreement process (Aftaleforløb)



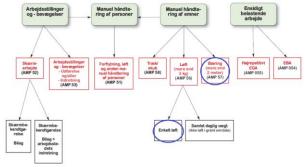


## **Ergonomic Highways**

#### Ergonomic Highways



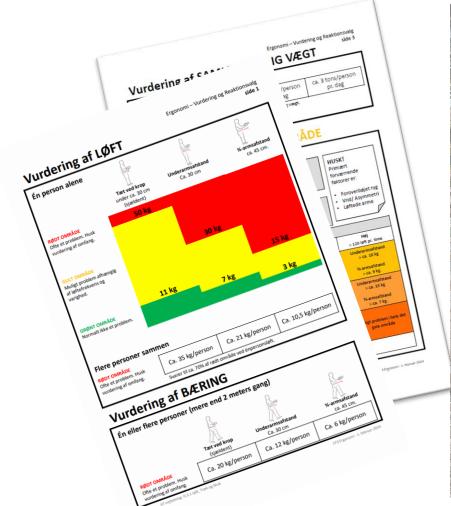
#### **ERGONOMISKE HOVEDVEJE**



L-FAF Ergonomi 17. november 2016



## **Assessement of ergonomics**

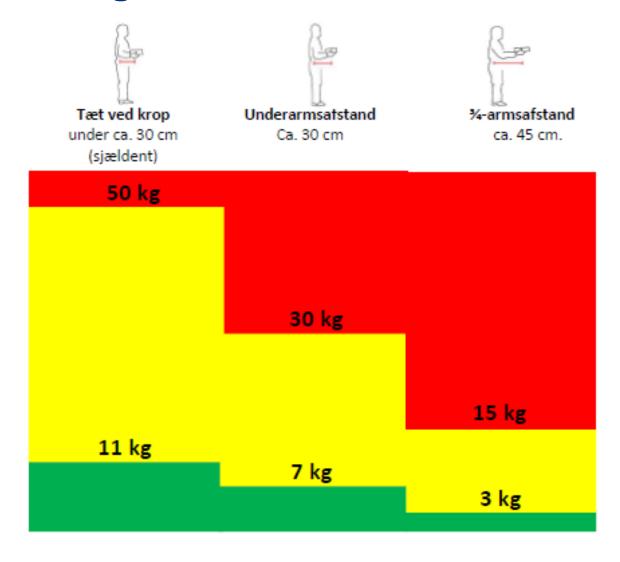








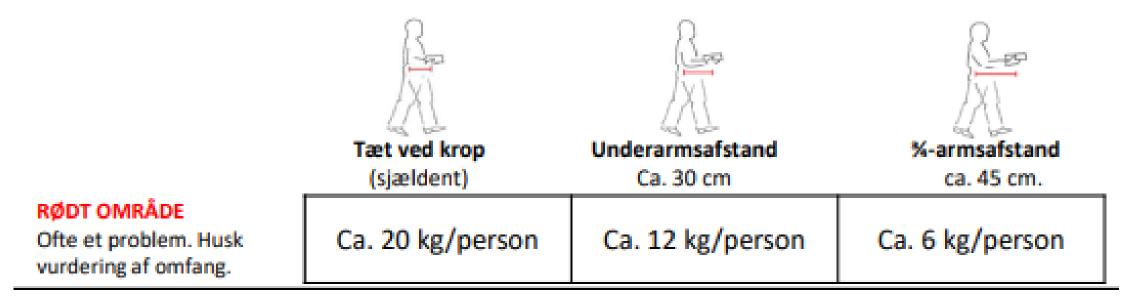
## **Assessment of lifting**





## **Assessment of carrying**

## Én eller flere personer (mere end 2 meters gang)





## The distance from the spine









### Assessment of other factors when lifting and carrying

### The other factors are divided into four main groups:

- The nature of the load
- The physical effort
- The nature of the place of work
- Other working conditions

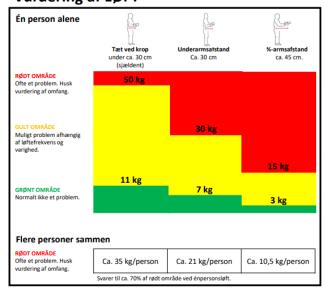




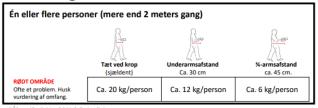


### **Assessment and Responses**





#### **Vurdering af BÆRING**



Ergonomi – Vurdering og Reaktionsvalg

#### Reaktionsvalg LØFT

	krop	Underarms- afstand	%-arms afstand
Påbud / Strakspåbud	50 kg	30 kg	15 kg
	+ vurdering af omfang	+ vurdering af omfang	+ vurdering af omfang
Strakspåbud	IKKE FASTSAT	ca. 40 kg	ca. 25 kg
pga. betydelig fare	Kontakt jurist	+ min. 1 forværrende faktor*	+ min. 1 forværrende faktor
Grov overtrædelse	75 kg	50 kg	50 kg

	Tæt ved	Underarms	%-arms
	krop	afstand	afstand
Påbud / Strakspåbud	ca. 35 kg pr. person	ca. 21 kg pr. person	ca. 10,5 kg pr. person
	+ vurdering af omfang	+ vurdering af omfang	+ vurdering af omfang
Strakspåbud	IKKE FASTSAT	ca. 28 kg pr. person	ca. 17,5 kg pr. person
pga. betydelig fare	Kontakt jurist	+ min. 1 forværrende faktor*	+ min. 1 forværrende faktor*
Grov overtrædelse	100 kg	75 kg	75 kg
2 personer	tilsammen	tilsammen	tilsammen

#### Reaktionsvalg BÆRING

	Tæt ved	Underarms-	%-arms
	krop	afstand	afstand
Påbud / Strakspåbud	ca. 20 kg/person	ca. 12 kg/person	ca. 6 kg/person
	+ vurdering af omfang	+ vurdering af omfang	+ vurdering af omfang
Strakspåbud	ca. 35 kg/person	ca. 25 kg/person	ca. 15 kg/person
pga. betydelig fare	+ min. 1 forværrende faktor*	+ min. 1 forværrende faktor*	+ min. 1 forværrende faktor
Grov overtrædelse	IKKE FASTSAT Kontakt jurist		

KILDE: AT-vejledning: D.3.1.LgHt, Trark og Skub

CF3 Ergonomi - 1. februar 202Kvalitetsprocedurer: G-204 Strakspåbud – Grov overtrædelse og G-207 Forbud og Strakspåbud (under revision)



## **Training of new inspectors**





## Lifting and carrying at construction sites (industries)

## Lifting





**Carrying** 







## Technical equipment and good solutions

Technical equipment:

www.bygergo.dk

Planning and organising of work:

www.bfa-ba.dk

Arbejdstilsynet (WEA):

www.at.dk



