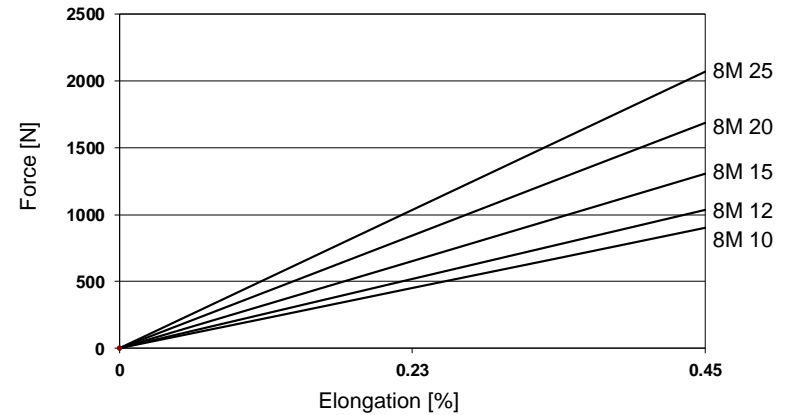


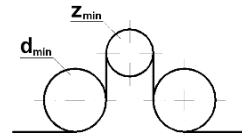
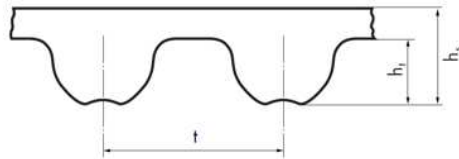
Profile 8M		
t [mm]	h <sub>s</sub> [mm]	h <sub>t</sub> [mm]
8.00	5.40 ±0.25	3.20

Minimum no. of teeth pulley:  $z_{min} = 22$   
 Pitch diameter:  $d_w = 56.02$  mm  
 Minimum diameter of backside idler:  $d_{min} = 60.00$  mm

Elongation



Principle sketch



Construction

- Fabric on teeth: Polyamide reinforced
- Elastomer: CR compound with aramid fibers
- Tension cord: Glass cord
- Hardness: 89 ±5 Shore A

Belt width* b [mm]	10	12	15	20	25	30
Width tolerance [mm]	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
Permissible load *** F <sub>zul</sub> [N]	900	1035	1305	1690	2070	2480
Breaking strength F <sub>Bruch</sub> [N]	4900	5600	7000	9100	11200	13440
Belt weight [kg/m]	0.058	0.070	0.087	0.116	0.145	0.174

\* Smaller and intermediate widths possible, \*\*\*Elongation 0.45 %

Characteristics

- Antistatic to ISO 9563: yes
- Pulley profile: HTD and RPP to ISO 13050
- Temperature resistance: -30°C to +100°C

Marking example



Plant code

Profile, width

Date code

Wir beraten Sie gerne über die Produkteigenschaften und -anpassungen bei besonderen Anforderungen. Bitte beachten Sie auch die Hinweise in den Optibelt Dokumentationen. Irrtümer und technische Änderungen vorbehalten. [www.optibelt.com](http://www.optibelt.com), © Arntz Optibelt Gruppe

We would be pleased to offer advice about technical characteristics and drive design as well as special requirements. Further information can be found in Optibelt documentation. Subject to technical modification and change, errors and omissions excepted. [www.optibelt.com](http://www.optibelt.com), © Arntz Optibelt Gruppe



Techn. datasheet  
**optibelt OMEGA HP linear**  
 Code 77ZA  
 According to ISO13050

Profile 8M

4			
3			
2			
1			
0	Erstellt	07.11.2018	LK
Zust.	Änderungen	Datum	Name