



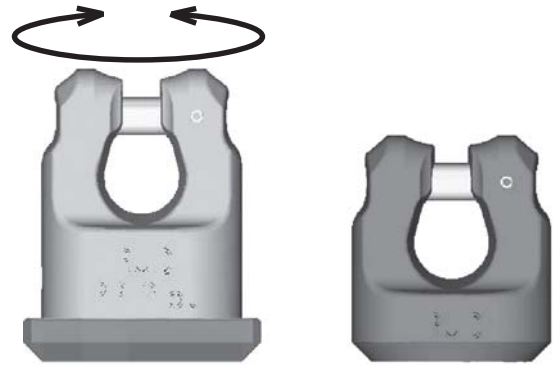
# PowerPoint®

## WPP / WPPH

### for welding

## Safety instructions

This safety instruction/declaration of the manufacturer has to be kept on file for the whole lifetime of the product.



Lifting points for welding  
able to rotate >WPP<  
and fixed >WPPH<  
in the versions ..-S / ..-B / ..-VIP



MO 075108  
MO 075109



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### EG-Herstellererklärung

im Sinne der EG-Maschinenrichtlinie 98/37/EG,  
Anhang II B und ihre Änderungen

Hiermit erklären wir (unterstützt durch die Zertifizierung nach ISO 9001), dass die nachfolgend bezeichnete Ausrüstung aufgrund ihrer Konzipierung und Bauart, sowie der von uns in Verkehr gebrachten Ausführung, den einschlägigen grundlegenden Sicherheits- und Gesundheitsanforderungen der betreffenden EG-Richtlinie(n) entspricht. Bei einer nicht mit uns abgestimmten Änderung der Ausrüstung verliert diese Erklärung ihre Gültigkeit. Weiterhin verliert diese Erklärung ihre Gültigkeit, wenn die Ausrüstung nicht entsprechend den in der Betriebsanleitung aufgeführten bestimmungsmäßigen Fällen eingesetzt wird und die regelmäßig durchzuführenden Überprüfungen laut BGR 500, Kapitel 2.8 „Betreiben von Lastaufnahmeeinrichtungen im Hebezeugbetrieb“, und den entsprechenden landesspezifische Vorschriften, nicht vorgenommen werden.

Hinweis: Die Inbetriebnahme der Maschine, an die die gelieferten Bauteile angebaut werden, ist solange untersagt, bis festgestellt wurde, dass sie den Bestimmungen der Maschinenrichtlinie 98/37/EG der Europäischen Gemeinschaft entspricht. Beim PowerPoint angewendete harmonisierte Normen DIN EN ISO 12100 T1 und T2 sowie in Anlehnung an EN 1677. Dies gilt nur für Mitgliedstaaten der EU und EFTA.

Bezeichnung der Ausrüstung:

**Anschlagpunkt**

Type: **PowerPoint® - schweißbar**  
**WPP und WPPH**

Herstellerzeichen:

### EC-Declaration of the manufacturer

according to the Machinery Directive 98/37/EC,  
annex II B and amendments

We hereby declare (supported by certification as per ISO 9001) that the equipment, as mentioned below, corresponds to the appropriate, basic requirements of safety and health of the corresponding EC regulation in the design as it is sold by us because of its design and construction. In case of any modification of the equipment, not being agreed upon with us, this declaration becomes invalid. Furthermore, this declaration will become invalid if the equipment is not used according to the prescriptions mentioned in the manual and if the necessary examinations are not carried out regularly as per BGR 500.

Hint: The commissioning of the machine in which the delivered components of this consignment will be installed is only permitted if it can be stated that the machine corresponds to the machine directive 98/37/EC of the European Community. Applied standards: DIN EN ISO 12100 T1 and T2 in particular EN 1677. This is only valid for countries which are member of the EC and of the EFTA.

Designation of the equipment:

**Lifting point**

Type: **PowerPoint® - for welding**  
**WPP and WPPH**

Manufacturer's sign:



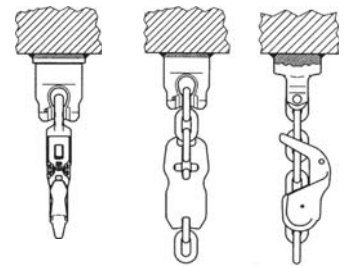
**Inspection criteria concerning paragraphs 2 and 12:**

- The lifting point should be complete
- The WLL, thread size, batch code and manufacturers stamping should be clearly visible on the lifting point.
- Deformations of the components parts such as body, fittings and thread.
- Mechanical damages such as notches, especially in high stress areas.
- Wear should be not more than 10 % of cross sectional diameter.
- Evidence of corrosion.
- Evidence of cracks
- Cracks or other damages to the welding
- The upper fork head part of the PP-version >WPP< must rotate smoothly
- The PP-version >WPP< should only be used within the nom WLL. See RUD chart.
- The PowerPoint® version are not allowed for proof load test. Magnetic crack test only.
- The maximum gap between upper- and lower part of the PowerPoint® >WPP< must not be exceeded:  
 PP-...-0,63t up to PP-...-2,5t      max. 1,5 mm  
 PP-...-4t up to PP-...-8t          max. 2,5 mm



The welding should only be carried out according to EN 287 or AWS Standards by an authorized certified welder. Welding sequence:

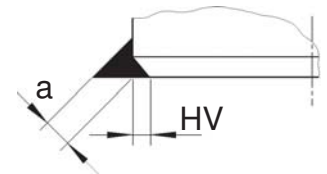
- Tack Weld at the right position
- Before carrying out the top seam, carefully clean the root weld
- The welding process must not be interrupted for such a time that the welding block loses the welding temperature
- The fillet welding process had to be carried out circulated
- Attention: Do not weld on the connecting elements (eyehook, ovallink, ...)!



	weld seam		
	size	length	volume
WPP-...-0,63t	▷ 3,5	125 mm	approx. 2,3 cm <sup>3</sup>
WPP-...-1,5t	▷ 4,5	140 mm	approx. 3,2 cm <sup>3</sup>
WPP-...-2,5t	(HV) 3 + (a) 5	190 mm	approx. 5,0 cm <sup>3</sup>
WPP-...-4t	(HV) 3 + (a) 6	250 mm	approx. 8,0 cm <sup>3</sup>
WPP-...-5t	(HV) 3 + (a) 8	300 mm	approx. 13,0 cm <sup>3</sup>
WPP-...-8t	(HV) 3 + (a) 10	315 mm	approx. 23,3 cm <sup>3</sup>
WPPH-...-0,63t	▷ 3,5	106 mm	approx. 2,0 cm <sup>3</sup>
WPPH-...-1,5t	▷ 4,5	125 mm	approx. 2,8 cm <sup>3</sup>
WPPH-...-2,5t	(HV) 3 + (a) 5	165 mm	approx. 4,5 cm <sup>3</sup>
WPPH-...-4t	(HV) 3 + (a) 6	215 mm	approx. 6,8 cm <sup>3</sup>
WPPH-...-5t	(HV) 3 + (a) 8	260 mm	approx. 11,4 cm <sup>3</sup>
WPPH-...-8t	(HV) 3 + (a) 10	275 mm	approx. 20,6 cm <sup>3</sup>

A non-adherence to this advice may damages of persons and materials!

**Welding seam definition:**



Measurements „a“ have to be acc. weld seam chart. Double-ply weld is prescribed! The specific processing informations of the welding fillers have to be attended.

Table 2

**Welding procedure + Welding filler metals:**

	Europe (DE, GB, FR, ... )		USA, Canada, ...
	Mild steel, low alloyed steel		Mild steel, low alloyed steel
<b>MAG/MIG</b> (135)	EN 440: G4 Si 1 z.B. Castolin 45250	<b>GAS SHIELDED WIRE WELDING</b>	AWS A 5.18 : ER 70 S-6 z.B. Eutectic MIG-Tec A88
<b>E-Hand Direct current</b> = (111)	EN ISO 2560-A - E 42 6 B 3 2; EN ISO 2560-A - E 38 2 B 12 H10 z.B. Castolin 6666 * Castolin 6666N *	<b>Stick Electrode Direct Current</b>	AWS A 5.5 : E 8018-G * AWS A 5.1 : E 7016 * z.B. Eutectic Castolin 6666 / 6666N / 35066
<b>E-Hand Alternating current</b> (111)	DIN 8556: E- 18 8 6 B (1.4370) EN 14700: E-Fe 10 EN 14700: E-Fe 11 z.B. Castolin 640 Castolin 33033	<b>Stick Electrode Alternating Current</b>	AWS A 5.4 : E 309 Mo L-16 z.B. Castolin 33700 CP
<b>WIG</b> (141)	EN ISO 636-A: W3 Si 1 z.B. Castolin 45255W	<b>TIG Tungsten Arc Welding</b>	AWS A 5.18 : ER 70 S-G z.B. Eutectic TIG-Tec-Tic A 88

Table 3 \* Follow the drying instructions!

WPP-S		WPP-B		WPP-VIP Only for original VIP chain							
Type	WLL (t)	A	B	C	D	G	T	weight (kg)	Welding beam HV+filled weld	Ref-no. WPP	Ref-no. WPPH
<b>WPP(WPPH)-S-0,63t</b>	0,63	13	75	18	40 (34)	40 (34)	115 (109)	0,4 (0,35)	▷ 3,5	7990721	7990722
<b>WPP(WPPH)-S-1,5t</b>	1,5	20	97	25	46 (40)	50 (44)	147 (141)	1,0 (0,9)	▷ 4,5	7989944	7989966
<b>WPP(WPPH)-S-2,5t</b>	2,5	28	126	30	61 (53)	61 (53)	187 (179)	1,7(1,5)	3 + 5	7989945	7989967
<b>WPP(WPPH)-S-4t</b>	4,0	36	150	35	78 (68)	77 (67)	227 (217)	3,7 (3,2)	3 + 6	7989946	7989968
<b>WPP(WPPH)-S-5t</b>	5,0	37	174	40	95 (83)	93 (79)	267 (253)	7,2 (6,3)	3 + 8	7989947	7989969
<b>WPP(WPPH)-S-8t</b>	8,0	49	208	48	100 (88)	102 (88)	310 (296)	9,5 (8,8)	3 + 10	7989948	7989970
<b>WPP(WPPH)-B-0,63t</b>	0,63	9	65	35	40 (34)	40 (34)	105 (99)	0,35 (0,3)	▷ 3,5	7989954	7989976
<b>WPP(WPPH)-B-1,5t</b>	1,5	11	65	35	46 (40)	50 (44)	115 (106)	0,46 (0,36)	▷ 4,5	7989955	7989977
<b>WPP(WPPH)-B-2,5t</b>	2,5	13	74	40	61 (53)	61 (53)	135 (127)	1,05 (0,85)	3 + 5	7989956	7989978
<b>WPP(WPPH)-B-4t</b>	4,0	16	95	45	78 (68)	77 (67)	172 (162)	2,4 (1,9)	3 + 6	7989957	7989979
<b>WPP(WPPH)-B-5t</b>	5,0	19	130	60	95 (83)	93 (79)	223 (209)	5,1 (4,3)	3 + 8	7989958	7989980
<b>WPP(WPPH)-B-8t</b>	8,0	24	140	65	100 (88)	102 (88)	242 (228)	5,9 (5,2)	3 + 10	7989959	7989981
<b>WPP(WPPH)-VIP-0,63t</b>	0,63	4	-	-	40 (34)	-	40 (34)	0,25 (0,2)	▷ 3,5	7989960	7989982
<b>WPP(WPPH)-VIP-1,5t</b>	1,5	6	-	-	46 (40)	-	50 (44)	0,32 (0,22)	▷ 4,5	7989961	7989983
<b>WPP(WPPH)-VIP-2,5t</b>	2,5	8	-	-	61 (53)	-	61 (53)	0,85 (0,65)	3 + 5	7989962	7989984
<b>WPP(WPPH)-VIP-4t</b>	4,0	10	-	-	78 (68)	-	77 (67)	2,1 (1,6)	3 + 6	7989963	7989985
<b>WPP(WPPH)-VIP-5t</b>	5,0	13	-	-	95 (83)	-	93 (79)	4,1 (3,3)	3 + 8	7989964	7989986
<b>WPP(WPPH)-VIP-8t</b>	8,0	16	-	-	100 (88)	-	102 (88)	4,5 (3,8)	3 + 10	7989965	7989987

Table 4 ( ) = dimensions for WPPH