## Table of contents

# 1 komponente_hat_attribute

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|---|---|---|---|---|---|---|---|---|
| komponenten_k_id | int(11) | | No | | | komponenten -> k_id | | |
| komponentenattribute_kat_id | int(11) | | No | | | komponentenattribute -> kat_id | | |
| khkat_wert | varchar(45) | | Yes | NULL | | | | |

May 12, 2014 at 10:36 AM

# 2 komponente_hat_komponente

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|--------|------|-----------|------|---------|-------|----------|----------|------|
| komponenten_k_id_aggregat | int(11) | | No | | | komponenten -> k_id | | |
| komponenten_k_id_teil | int(11) | | No | | | komponenten -> k_id | | |
| khk_id | int(11) | | No | | auto_increment | | | |
| vorgangsarten_v_id | int(11) | | No | | | vorgangsarten -> v_id | | |
| khk_datum | date | | Yes | NULL | | | | |

# 3 komponenten

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|--------|------|-----------|------|---------|-------|----------|----------|------|
| k_id | int(11) | | No | | | | | |
| lieferant_l_id | int(11) | | No | | | lieferant -> l_id | | |
| lieferant_r_id | int(11) | | No | | | raeume -> r_id | | |
| k_einkaufsdatum | date | | Yes | NULL | | | | |
| k_gewaehrleistungsdauer | int(11) | | Yes | NULL | | | | |
| k_notiz | varchar(1024) | | Yes | NULL | | | | |
| k_hersteller | varchar(45) | | Yes | NULL | | | | |
| komponentenarten_ka_id | int(11) | | No | | | komponentenarten -> ka_id | | |

# 4 komponentenarten

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|--------|------|------------|------|---------|-------|----------|----------|------|
| ka_id | int(11) | | No | | | | | |
| ka_komponente nart | varchar(45) | | Yes | NULL | | | | |

# 5 komponentenattribut_hat_zulaessige_werte

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|---|---|---|---|---|---|---|---|---|
| komponentenattribute_kat_id | int(11) | | No | | | komponentenattribute -> kat_id | | |
| zulaessige_werte_zw_id | int(11) | | No | | | zulaessige_werte -> zw_id | | |

# 6 komponentenattribute

Creation: May 12, 2014 at 09:06 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|---|---|---|---|---|---|---|---|---|
| kat_id | int(11) | | No | | | | | |
| kat_beschreibung | varchar(255) | | Yes | NULL | | | | |

# 7 lieferant

Creation: May 12, 2014 at 09:19 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|---|---|---|---|---|---|---|---|---|
| l_id | int(11) | | No | | auto_increment | | | |
| l_firmenname | varchar(45) | | Yes | NULL | | | | |
| l_strasse | varchar(45) | | Yes | NULL | | | | |
| l_tel | varchar(20) | | Yes | NULL | | | | |
| l_mobil | varchar(20) | | Yes | NULL | | | | |
| l_fax | varchar(20) | | Yes | NULL | | | | |
| l_email | varchar(45) | | Yes | NULL | | | | |
| l_plz_id | int(11) | | Yes | NULL | | plz_zuordnung -> ID | | |

# 8 plz_zuordnung

Creation: May 12, 2014 at 09:17 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|---|---|---|---|---|---|---|---|---|
| ID | int(11) | | No | | auto_increment | | | |
| PLZ | int(5) | | Yes | NULL | | | | |
| Ort | varchar(255) | | Yes | NULL | | | | |

May 12, 2014 at 10:36 AM

# 9 raeume

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|---|---|---|---|---|---|---|---|---|
| r_id | int(11) | | No | | auto_increment | | | |
| r_nr | varchar(20) | | Yes | NULL | | | z.B. r014, W304, etc. | |
| r_bezeichnung | varchar(45) | | Yes | NULL | | | z.B. Werkstatt, Lager,... | |
| r_notiz | varchar(1024) | | Yes | NULL | | | | |

# 10 vorgangsarten

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|--------|------|-----------|------|---------|-------|----------|----------|------|
| v_id | int(11) | | No | | | | | |
| v_bezeichnung | varchar(45) | | Yes | NULL | | | Einbau / Ausbau | |

# 11 wird_beschrieben_durch

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|--------|------|-----------|------|---------|-------|----------|----------|------|
| komponentenarten_ka_id | int(11) | | No | | | komponentenarten -> ka_id | | |
| komponentenattribute_kat_id | int(11) | | No | | | komponentenattribute -> kat_id | | |

# 12 zulaessige_werte

Creation: May 12, 2014 at 08:52 AM

| Column | Type | Attributes | Null | Default | Extra | Links to | Comments | MIME |
|--------|------|------------|------|---------|-------|----------|----------|------|
| zw_id | int(11) | | No | | | | | |
| zw_wert | varchar(45) | | Yes | NULL | | | | |

**lieferant**
- l_id
- l_firmenname
- l_strasse
- l_tel
- l_mobil
- l_fax
- l_email
- l_plz_id

**komponenten**
- k_id
- lieferant_l_id
- lieferant_r_id
- k_einkaufsdatum
- k_gewaehrleistungsdauer
- k_notiz
- k_hersteller
- komponentenarten_ka_id

**komponente_hat_komponente**
- komponenten_k_id_aggregat
- komponenten_k_id_teil
- khk_id
- vorgangsarten_v_id
- khk_datum

**vorgangsarten**
- v_id
- v_bezeichnung

**plz_zuordnung**
- ID
- PLZ
- Ort

**komponentenarten**
- ka_id
- ka_komponentenart

**komponente_hat_attribute**
- komponenten_k_id
- komponentenattribute_kat_id
- khkat_wert

**wird_beschrieben_durch**
- komponentenarten_ka_id
- komponentenattribute_kat_id

**raeume**
- r_id
- r_nr
- r_bezeichnung
- r_notiz

**komponentenattribute**
- kat_id
- kat_beschreibung

**komponentenattribut_hat_zulaessige_werte**
- komponentenattribute_kat_id
- zulaessige_werte_zw_id

**zulaessige_werte**
- zw_id
- zw_wert