

# MATCH - ANGLE FLANGE

## SERIES LWR

### ▶ PRODUCT ADVANTAGES



MATCH

#### ▶ **Standardized**

Angle flange optimized for the MATCH end-of-arm ecosystem. Rapid change within seconds, suitable for all robots.

#### ▶ **Simplest integration**

Direct and simple integration of IO-Link grippers from GEP2000, GEP5000, GEH6000IL and GPD5000IL series.

#### ▶ **Low interference contour**

Compressed air and IO-Link control integrated directly. Optionally available with outlet nozzle and programming tip.

### ▶ THE BEST PRODUCT FOR YOUR APPLICATION



#### ▶ **Our products welcome the challenge!**

Extreme conditions, all over the world—our tried and tested components and systems give you endless possibilities.

Find the best product for your specific use:

[www.zimmer-group.com](http://www.zimmer-group.com)



## ► STEP 1: ROBOT MODULE

| Order no.               | LWR50F-13-04-A      | LWR50F-00-06-A |
|-------------------------|---------------------|----------------|
| Suitable for robot type | ABB CRB 15000 GoFa* | ISO TK 50**    |

\*Current draw max. 2 A

\*\*Mechanical assembly compatible to all robots with standard ISO PCD 50 mm. Electrical connection via standard IO-Link M12-5 female connector.

## ► STEP 2: ANGLE FLANGE

| Order no.           | LWR50L-29-00001-A |
|---------------------|-------------------|
| Suitable for series | LWR50F-xx-06      |

## ► STEP 3: ADAPTER PLATE

| Order no.             | APRTK50-50                                                                                                         | APRTK50-51                                                                                                                             | APRTK50-52                       | APRTK50-53                                                                                                                         |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Suitable for grippers | GEP2006IL-00-B /<br>GEP2006IL-03-B /<br>GEP2010IL-00-B /<br>GEP2010IL-03-B /<br>GEP2013IL-00-B /<br>GEP2013IL-03-B | GEP2016IL-00-B /<br>GEP2016IL-03-B /<br>GEP5006IL-00-A /<br>GEH6040IL-03-B /<br>GEH6040IL-31-B /<br>GEH6060IL-03-B /<br>GEH6060IL-31-B | HRC-03-126902 /<br>HRC-03-138553 | GPD5006N-IL-10-A /<br>GPD5006NC-IL-10-A /<br>GPD5006NO-IL-10-A /<br>GPD5006S-IL-10-A /<br>GPD5006SC-IL-10-A /<br>GPD5006SO-IL-10-A |

## ► STEP 4: ACCESSORIES

| Order no. | DUWFR01       | SPWFR01         |
|-----------|---------------|-----------------|
| Design    | Outlet nozzle | Programming tip |

# MATCH - ANGLE FLANGE

## LWR50L-29-00001-A

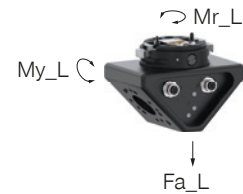
### ▶ PRODUCT SPECIFICATIONS



**MATCH**

#### ▶ Forces and moments

Shows static forces and moments



|           |     |
|-----------|-----|
| Mr_L [Nm] | 20  |
| My_L [Nm] | 40  |
| Fa_L [N]  | 500 |

### ▶ RECOMMENDED ACCESSORIES



#### GRIPPING COMPONENTS



**LWR50F-13-04-A**  
MATCH - Robot module



**LWR50F-00-06-A**  
MATCH - Robot module



#### CONNECTIONS / OTHER



**WVM5**  
Angled Fittings - Quick Connect Style



**APRTK50-50**  
Adapter plate



**APRTK50-51**  
Adapter plate



#### CONNECTIONS / OTHER



**APRTK50-52**  
Adapter plate



**APRTK50-53**  
Adapter plate



**DUWFR01**  
Outlet nozzle



**SPWFR01**  
Programming tip



**ALWR1-50-A**  
MATCH - Storage station

### ▶ RECOMMENDED ACCESSORY STORAGE STATION



**NJ5-E2SK-01**  
Inductive Proximity Switch Cable 0,3 m - Connector M8

| Order no.                           | ► Technical data |
|-------------------------------------|------------------|
| Suitable for series                 | LWR50F-xx-06     |
| Pneumatic energy transfer           | integrated       |
| Electrical energy transfer          | integrated       |
| Locking stroke [mm]                 | 1                |
| Repetition accuracy in X, Y [mm]    | 0.05             |
| Repetition accuracy in Z [mm]       | 0.05             |
| Tightening force [N]                | 50               |
| Release force [N]                   | 0                |
| Offset at coupling max. in X,Y [mm] | 1.0              |
| Operating temperature [°C]          | 5 ... +50        |
| Protection to IEC 60529             | IP40             |
| Weight [kg]                         | 1.2              |

