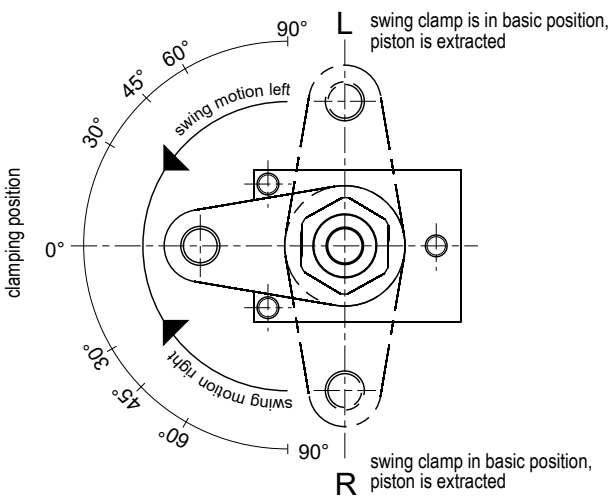
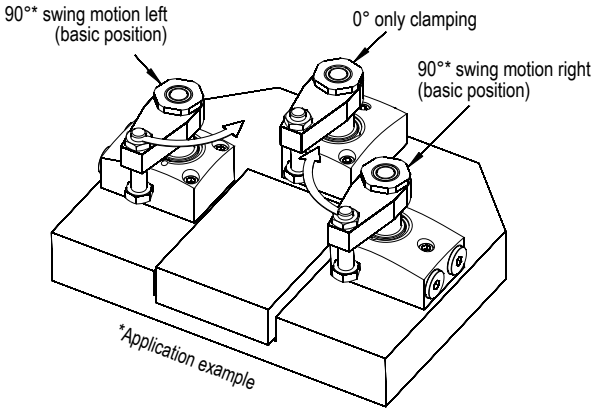
Swing clamp cylinders
Selection guide

Issue: 06/2022

Overview of the functions for generating an order number by using the order number key:

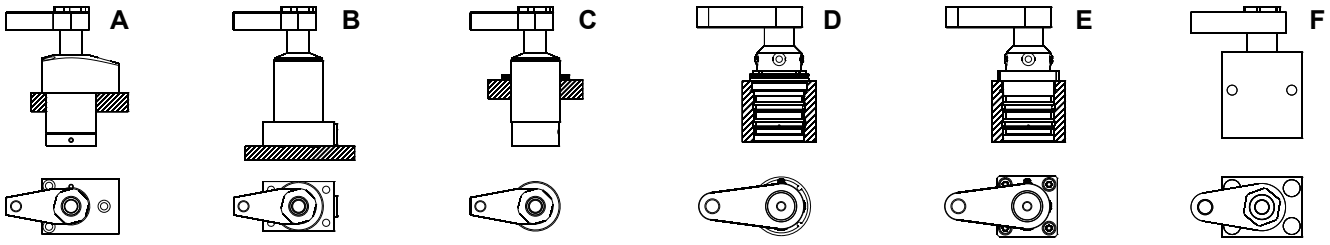
1 Information about swing motion and operating method:





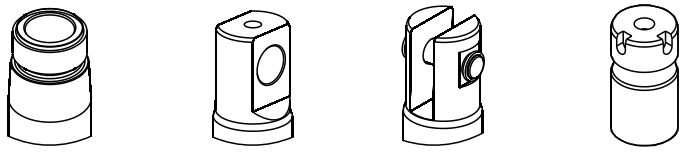
Options for the operating method:
E = single-acting with spring reset
D = double-acting

2 Information about design, piston and stroke:



upper flange | lower flange | threaded body | threaded body with drilled channels | cartridge design with drilled channels | block housing

3 Information about clamp arm holder and additional features:



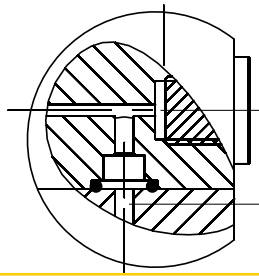
Taper (SP**K**) | **Pendulum** (SP**P**) | **Clevis** (SP**G**) | **Cylindrical holder** (SP**Z**)

SP**K** = taper with fastening nut
SP**P** = pendulum for double clamp arms
SP**G** = clevis with pin and circlips
SP**Z** = Cylindrical holder for low pressure

Position control: The electrical or pneumatic position control monitors the clamp and unclamp position of the cylinder.
Overload protection: The overload protection protects the swing mechanism from damage due blockage of the rotation or improper assembly of the clamp arm.

Position control and overload protection are optional functions. Availability according to the data sheet of the respective swing clamp cylinder.

4 Information about the type of connection for pressure oil supply:



001 = threaded port (G1/8 or G1/4)

002 = manifold connection with O-ring

003 = connection for pressure oil supply via drilled channels

Note the installation contour on the data sheet of the respective swing clamp cylinder.

Handling the order number key:

Important: Our swing clamp cylinders offer a different range of functions.
Generate an order number exclusively using the order number key
on the data sheet of the respective swing clamp cylinder.

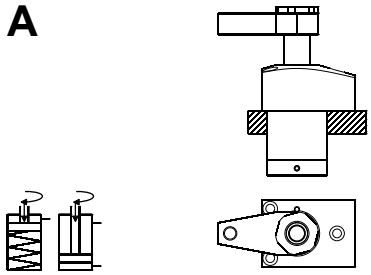
	Functions:	Options:	Example: 1 2 3	4 5 6	7 8 9	10
			SSZY -	LD60 -	B2525 -	K10 - 001
1	**1. Swing motion:**	neutral 0° = **N**, left t= **L**, right = **R**,				
	2. Operating method:	single-acting = **E**, double-acting = **D**				
	3. Swing angle [degree]**:**	standard = **0**, **30**, **45**, **60**, **90**				
2	**4. Housing design:**	see information on page 1				
	5. Piston Ø [mm]**:**	according to the data sheet of the swing clamp cylinder				
	6. Clamping stroke [mm]**:**	according to the data sheet of the swing clamp cylinder				
3	**7. Clamp arm holder:**	clevis = **G**, taper = **K**, pendulum = **P**, cylindrical holder = **Z**				
	8. Overload:	without = **0**, with = **1**, with reinforced swing mechanism = **V**				
	9. Position control:	without = **0**, inductive = **1**, pneumatic = **2**				
4	**10. Oil supply:**	Threaded port = **001**, manifold with O-ring = **002**, drilled channels = **003**				

Swing clamp cylinders, standard variations:

Data sheet: **240-1**
Webcode: **024001**

1. Swing motion:	neutral / left / right
2. Operating method:	single-acting / double-acting
3. Swing angle:	0° / 45° / 60° / 90°
4. Housing design:	A = upper flange
5. Piston Ø:	14 mm
6. Clamping stroke:	sa. 6 mm / da. 8 mm
7. Clamp arm holder:	taper
8. Overload:	without
9. Position control:	without
10. Oil supply:	threaded port / manifold with O-ring
Pressure range:	**pmin. 25 bar / pmax. 350 bar**

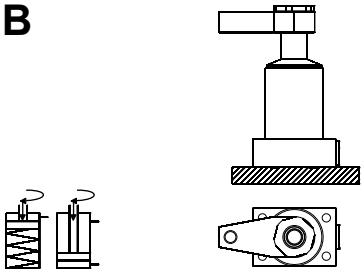
A



Data sheet: **240-2**
Webcode: **024002**

1. Swing motion:	neutral / left / right
2. Operating method:	single-acting / double-acting
3. Swing angle:	0° / 45° / 60° / 90°
4. Housing design:	B = lower flange
5. Piston Ø:	14 mm
6. Clamping stroke:	sa. 6 mm / da. 8 mm
7. Clamp arm holder:	taper
8. Overload:	without
9. Position control:	without
10. Oil supply:	threaded port / manifold with O-ring
Pressure range:	**min. 25 bar / pmax. 350 bar**

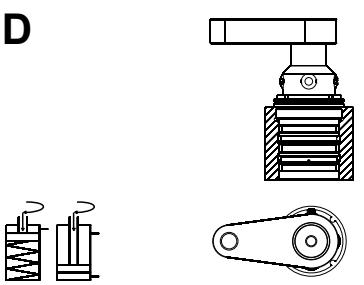
B



Data sheet: **240-3**
Webcode: **024003**

1. Swing motion:	neutral / left / right
2. Operating method:	single-acting / double-acting
3. Swing angle:	0° / 45° / 60° / 90°
4. Housing design:	D = threaded body
5. Piston Ø:	14 mm
6. Clamping stroke:	sa. 6 mm / da. 8 mm
7. Clamp arm holder:	taper
8. Overload:	without
9. Position control:	without
10. Oil supply:	drilled channels
Pressure range:	**pmin. 25 bar / pmax. 350 bar**

D

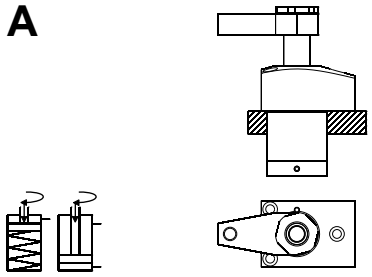


Swing clamp cylinders, standard variations:

Data sheet: **240-10**
Webcode: **024010**

1. Swing motion:	neutral / left / right
2. Operating method:	single-acting / double-acting
3. Swing angle:	0° / 30° / 45° / 60° / 90°
4. Housing design:	A = upper flange
5. Piston Ø:	25 / 40 / 50 / 63 mm
6. Clamping stroke:	10, 13, 15, 25 or 50 mm
7. Clamp arm holder:	taper
8. Overload:	with
9. Position control:	without
10. Oil supply:	threaded port / manifold with O-ring
Pressure range:	**pmin. 30 bar / pmax. 500 bar**

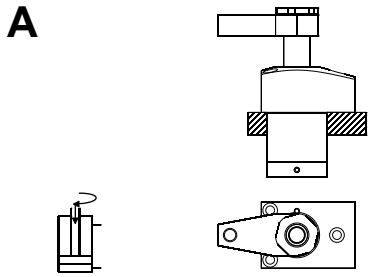
A



Data sheet: **240-20**
Webcode: **024020**

1. Swing motion:	neutral / left / right
2. Operating method:	double-acting
3. Swing angle:	0° / 30° / 45° / 60° / 90°
4. Housing design:	A = upper flange
5. Piston Ø:	25 or 40 mm
6. Clamping stroke:	25 or 22 mm
7. Clamp arm holder:	clevis / pendulum
8. Overload:	without / with reinforced swing mechanism
9. Position control:	without / inductive / pneumatic
10. Oil supply:	threaded port / manifold with O-ring
Pressure range:	**25 pmin. 30 bar / pmax. 500 bar**

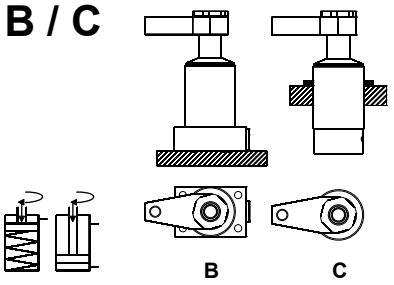
A



Data sheet: **240-30**
Webcode: **024030**

1. Swing motion:	neutral / left / right
2. Operating method:	single-acting / double-acting
3. Swing angle:	0° / 30° / 45° / 60° / 90°
4. Housing design:	B = lower flange, C = threaded body
5. Piston Ø:	25 / 40 / 50 / 63
6. Clamping stroke:	10, 13, 15, 25 or 50 mm
7. Clamp arm holder:	taper
8. Overload:	without / with
9. Position control:	without
10. Oil supply:	drilled channels
Pressure range:	**pmin. 30 bar / pmax. 500 bar**

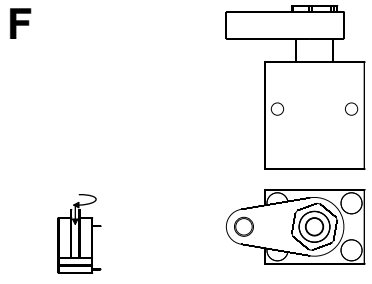
B / C



Data sheet: **240-40**
Webcode: **024040**

1. Swing motion:	neutral / left / right
2. Operating method:	single-acting / double-acting
3. Swing angle:	0° / 30° / 45° / 60° / 90°
4. Housing design:	F = block housing
5. Piston Ø:	25 / 40 / 63 mm
6. Clamping stroke:	7, 8, or 11 mm
7. Clamp arm holder:	taper
8. Overload:	with
9. Position control:	without
10. Oil supply:	threaded port / manifold with O-ring
Pressure range:	**pmin. 30 bar / pmax. 500 bar**

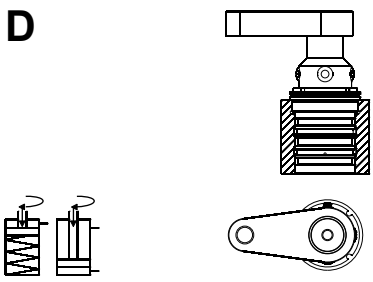
F



Data sheet: **240-50**
Webcode: **024050**

1. Swing motion:	neutral / left / right
2. Operating method:	single-acting / double-acting
3. Swing angle:	0° / 30° / 45° / 60° / 90°
4. Housing design:	D = threaded body
5. Piston Ø:	25 / 40 / 63
6. Clamping stroke:	10, 13 or 14 mm
7. Clamp arm holder:	taper
8. Overload:	with
9. Position control:	without
10. Oil supply:	drilled channels
Pressure range:	**pmin. 30 bar / pmax. 500 bar**

D

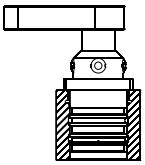


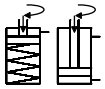
Swing clamp cylinders, standard variations:

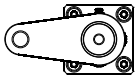
Data sheet: **240-60**
Webcode: **024060**

1. Swing motion:	neutral / left / right
2. Operating method:	double-acting
3. Swing angle:	0° / 30° / 45° / 60° / 90°
4. Housing design:	E = cartridge design
5. Piston Ø:	25 / 40 / 50 / 63 mm
6. Clamping stroke:	11, 14, 15 or 25 mm
7. Clamp arm holder:	taper
8. Overload:	with
9. Position control:	without
10. Oil supply:	drilled channels
Pressure range:	**pmin. 30 bar / pmax. 500 bar**

E







Data sheet: **240-70**
Webcode: **024070**

1. Swing motion:	neutral / left / right
2. Operating method:	double-acting
3. Swing angle:	0° / 30° / 45° / 60° / 90°
4. Housing design:	A = upper flange
5. Piston Ø:	37 / 44 or 51 mm
6. Clamping stroke:	8 or 10 mm
7. Clamp arm holder:	cylindrical holder
8. Overload:	without
9. Position control:	without
10. Oil supply:	threaded port / manifold with O-ring
Pressure range:	**pmin. 15 bar / pmax. 70 bar**

A