

Quarter turn actuator DFPD

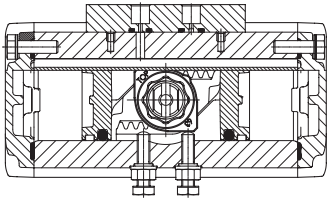
FESTO



Characteristics

At a glance

[Link](#) [dfpd](#)



The DFPD series features a rack-and-pinion combination with a constant torque characteristic across the entire swivel range. It is available in sizes 10 to 2300. The DFPD is suitable for the automation of butterfly valves, ball valves and air dampers. It is also suitable for water/wastewater, beverage, pharmaceutical and process automation. The modular and compact design of the DFPD allows different spring configurations as a suitable solution for different applications.

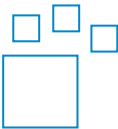
Additional documents

[Link](#) [dfpd](#)



You will find information on the theoretical torque in the additional document DFPD_ADD.

Ordering data - modular system



Configurable product

This product and all its product options can be ordered online via the configurator.

Connection type

Connection pattern to NAMUR VDI/VDE 3845 for mounting solenoid valves, position sensors and positioners

- Standard process valve connection to ISO 5211

Swivel direction

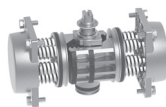
- The modular system offers the option of closing to the left. This is done by turning the pistons

Function

[D] Double-acting

The double-acting quarter turn actuator requires compressed air for each direction of movement. In this mode of operation, the torque for opening or closing the process valve is generated purely via the compressed air.

[S] Single-acting



With the single-acting quarter turn actuator, the incoming compressed air moves the pistons in one direction. This generates the torque of the actuator. The springs built into the actuator are pre-tensioned at the same time. This spring force generates the torque in the opposite direction of rotation when the pressure chambers of the actuator are exhausted. This causes the process valve to move to the required initial position.

Closing direction

[R] Closes to the right

The modular system offers the option of closing to the left. This is done by turning the pistons

Characteristics

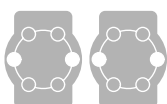
Spring ID

[] None

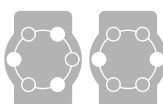
The spring force can be adapted to the system's supply pressure in steps of 0.5 bar by freely selecting the number of spring cartridges (4 to 12).

Spring force

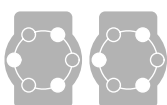
[20] For connection pressure 2 bar



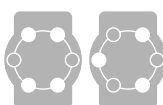
[25] For connection pressure 2.5 bar



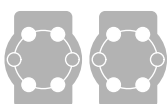
[30] For connection pressure 3 bar



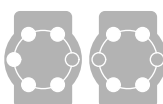
[35] For connection pressure 3.5 bar



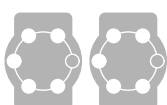
[40] For connection pressure 4 bar



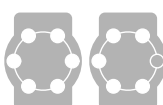
[45] For connection pressure 4.5 bar



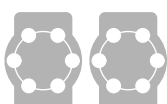
[50] For connecting pressure 5 bar



[55] For connection pressure 5.5 bar



[60] For connection pressure 6 bar



System of units

The pneumatic connections are available either as a metric version to ISO 228-1 or as an imperial NPT variant to ANSI B1-20.1. The imperial NPT version is mainly used in the American market.

Temperature range

[] Standard

□ 20 ... +80 °C

[T4] 0 ... +150°C

0 ... +150°C

Type code

001	Series	
DFPD	Semi-rotary drive	

002	System of units	
	Metric	
N	Imperial	

003	Size	
10	10	
20	20	
40	40	
60	60	
80	80	
120	120	
160	160	
240	240	
300	300	
480	480	
700	700	
900	900	
1200	1200	
2300	2300	
3500	3500	
4500	4500	
6500	6500	
9500	9500	

004	Design	
RP	Rack and pinion	
SY	Scotch yoke system	

005	Yoke type	
	None	
Y	Symmetrical	

006	Swivel angle [°]	
90	90	
120	120	
135	135	
180	180	

007	Swivel direction	
L	Left	
R	Right	

008	Function	
D	Double-acting	
S	Single-acting	

009	Spring force	
	None	
20	For connection pressure 2 bar	
25	For connection pressure 2.5 bar	
30	For connection pressure 3 bar	
35	For connection pressure 3.5 bar	
40	For connection pressure 4 bar	
45	For connection pressure 4.5 bar	
50	For connecting pressure 5 bar	
55	For connection pressure 5.5 bar	
60	For connection pressure 6 bar	

010	Normal position	
	Closing	
U	Open	

011	Flange pattern 1	
F03	Hole pattern F03	
F04	Hole pattern F04	
F05	Hole pattern F05	
F07	Hole pattern F07	
F10	Hole pattern F10	
F12	Hole pattern F12	
F14	Hole pattern F14	
F16	Hole pattern F16	

012	Flange pattern 2	
	None	
07	Hole pattern F07	
10	Hole pattern F10	
12	Hole pattern F12	
16	Hole pattern F16	
25	Hole pattern F25	

013	Width across flats	
	Standard	
9	9 mm	
11	11 mm	
17	17 mm	
27	27 mm	
36	36 mm	
46	46 mm	
55	55 mm	

014	Pneumatic connection	
	Standard	
X	Alternative connection size	

015	Temperature range	
	Standard	
T4	0 ... +150°C	

016	Shaft material	
	Standard	
R3	Stainless steel	

017	Housing surface treatment	
	None	
EP	Epoxy coated	

018	Industry focus	
	General	
C	Chemical industry	

019	Mechanical interface	
	Standard	
VDE2	VDI/VDE 3847-2	

020	Approval for installation on ships	
	None	
GL	To DNV-GL for integration on ships	

Datasheet

General technical data DFPD 10 to 2300, double-acting

Size of valve actuator	10		20			40	60	80	120	160	240	300	480	700	900	1,200	2,300
Flange hole pattern	F03	F04	F03	F04	F05	F0507				F0710			F1012		F14		F1216
Shaft connection	T9		T11			T14		T17		T22			T27		T36		T46
Shaft connection depth	10 mm		12 mm			16 mm		19 mm		24 mm			29 mm		38 mm		48 mm
Mode of operation	Double-acting																
Design	Rack and pinion																
Mounting position	optional																
Pneumatic connection	G1/8, 1/8 NPT		G1/8	G1/8, 1/8 NPT					G1/4, 1/4 NPT								
Fitting connection conforms to standard	ISO 5211																
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)																
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1									VDI/VDE 3845 size AA 2				VDI/VDE 3845 size AA 3			
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture, Up to SIL 1 high demand mode																
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Product can be used in SRP/CS up to SIL 1 (High Demand), Up to SIL 3 in a redundant architecture																
Swivel angle	90 deg					90 ... 180 deg	90 deg		90 ... 180 deg	90 deg	90 ... 180 deg	90 deg	90 ... 180 deg	90 deg			
End-position adjustment range at 0°	-5 ... 5 deg																
End-position adjustment range at nominal swivel angle	-5 ... 5 deg																
Closing direction	Closes to the right																
Torque at nominal operating pressure and 0° swivel angle	10.3 Nm		20.1 Nm			38.3 Nm	63.3 Nm	82.4 Nm	117.4 Nm	161 Nm	234.3 Nm	301.9 Nm	474 Nm	663.3 Nm	842 Nm	1,169.4 Nm	2,233.3 Nm
Torque at nominal operating pressure and 90° swivel angle	10.3 Nm		20.1 Nm			38.3 Nm	63.3 Nm	82.4 Nm	117.4 Nm	161 Nm	234.3 Nm	301.9 Nm	474 Nm	663.3 Nm	842 Nm	1,169.4 Nm	2,233.3 Nm
Note on torque	The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.																

Datasheet

General technical data DFPD 3500 to 9500, double-acting

Design	Scotch yoke system				Rack and pinion	
Size of valve actuator	3,500	4,500	6,500	9,500	3,500	4,500
Flange hole pattern	F16	F1625			F16	
Shaft connection	T46	T55			T46	
Shaft connection depth	48 mm	57 mm			50 mm	
Mode of operation	Double-acting					
Mounting position	optional					
Pneumatic connection	G1/2			G3/4	G1/2	
Fitting connection conforms to standard	ISO 5211					
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)					
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 2		VDI/VDE 3845 size AA 3			
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture					
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Up to SIL 3 in a redundant architecture					
Swivel angle	90 deg					
End-position adjustment range at 0°	-5 ... 5 deg					
End-position adjustment range at nominal swivel angle	-5 ... 5 deg					
Closing direction	Closes to the right					
Torque at nominal operating pressure and 0° swivel angle	3,993.9 Nm	4,780 Nm	6,028 Nm	7,988.6 Nm	3,229 Nm	3,998.6 Nm
Torque at nominal operating pressure and 90° swivel angle	3,993.9 Nm	4,780 Nm	6,028 Nm	7,988.6 Nm	3,229 Nm	3,998.6 Nm
Note on torque	The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.					

Operating and environmental conditions DFPD 10 to 2300, double-acting

Size of valve actuator	10	20	40	60	80	120	160	240	300	480	700	900	1,200	2,300
Ambient temperature	-20 ... 80°C													
Operating pressure	2 ... 8 bar													
Operating pressure	0.2 ... 0.8 MPa													
Operating pressure	29 ... 116 psi													
Nominal operating pressure	5.5 bar													
Nominal operating pressure	0.55 MPa													
Nominal operating pressure	79.75 psi													
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]													
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)													
Storage temperature	-20 ... 60°C													
Certificate issuing authority	DNV TAP00001CE, German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023													
Maritime classification	See certificate													
UKCA marking (see declaration of conformity)	To UK EX instructions													
LABS (PWIS) conformity	VDMA24364-B1/B2-L													
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	1 l	1.8 l	3.4 ... 5.6 l	3.8 l	7.4 l	10.4 ... 12.8 l	14 l	20.3 ... 26.6 l	26.4 l	40.5 ... 61.4 l	58.8 l	75.9 l	105 l	204 l

Datasheet

Operating and environmental conditions DFPD 3500 to 9500, double-acting

Design	Scotch yoke system				Rack and pinion	
Size of valve actuator	3,500	4,500	6,500	9,500	3,500	4,500
Ambient temperature	-20 ... 80°C					
Operating pressure	3 ... 5.4 bar	3 ... 6 bar		3 ... 4.6 bar	2 ... 6.8 bar	2 ... 5.2 bar
Operating pressure	0.3 ... 0.54 MPa	0.3 ... 0.6 MPa		0.3 ... 0.46 MPa	0.2 ... 0.68 MPa	0.2 ... 0.52 MPa
Operating pressure	43.5 ... 78.3 psi	43.5 ... 87 psi		43.5 ... 66.7 psi	29 ... 98.6 psi	29 ... 75.4 psi
Nominal operating pressure	5.38 bar	5.5 bar		4.63 bar	5.5 bar	5.24 bar
Nominal operating pressure	0.538 MPa	0.55 MPa		0.463 MPa	0.55 MPa	0.524 MPa
Nominal operating pressure	78.01 psi	79.75 psi		67.135 psi	79.75 psi	75.98 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:3:4]					
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)					
Storage temperature	-20 ... 60°C					
Certificate issuing authority	German Technical Control Board (TÜV) Rheinland 968/V 2959.00/2025					
UKCA marking (see declaration of conformity)	To UK EX instructions					
LABS (PWIS) conformity	VDMA24364 zone III					
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	183.4 l	210 l	261.8 l	408.8 l	314.37 l	404.6 l

ATEX DFPD, double-acting

Size of valve actuator	10	20	40	60	80	120	160	240	300	480	700	900
Ambient temperature	-20 ... 80°C											
ATEX category gas	II 2G											
Explosion ignition protection type for gas	Ex h IIC T4 Gb X											
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X											
ATEX category dust	II 2D											
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C											
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)											
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)											
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16											

ATEX DFPD 1200 to 9500, double-acting

Size of valve actuator	1,200	2,300	3,500	4,500	6,500	9,500
Ambient temperature	-20 ... 80°C					
ATEX category gas	II 2G					
Explosion ignition protection type for gas	Ex h IIC T4 Gb X			Ex h IIC T6 Gb		
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X			Ex h IIIC T85°C Db		
ATEX category dust	II 2D					
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C					
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)					
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)					
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16			558/Ex-Ab 4111/25		

Datasheet

Materials DFPD 10 to 2300, double-acting

Material cover	Coated die-cast aluminium
Material housing	Anodised aluminium, Aluminium, powder-coated
Material shaft	Nickel-plated steel, High-alloy stainless steel
Material sub-base	Coated wrought aluminium alloy, Anodised wrought aluminium alloy
Material piston	Die-cast aluminium
Material seals	NBR
Material bearing	POM
Material cam	Steel, High-alloy stainless steel
Material screws	High-alloy stainless steel
Note on materials	RoHS-compliant

Materials DFPD 3500 to 9500, double-acting

Material cover	Painted die-cast aluminium
Material housing	Anodised aluminium, Spheroidal graphite cast iron
Material shaft	Nickel-plated steel
Material sub-base	Anodised wrought aluminium alloy
Material piston	Die-cast aluminium, Spheroidal graphite cast iron
Material seals	NBR
Material bearing	POM
Material cam	–
Material screws	High-alloy stainless steel
Note on materials	RoHS-compliant

General technical data DFPD 20 to 2300, double-acting

Size of valve actuator	20			40		60		80	120	160	240	300	480	700	900	1,200		2,300
Flange hole pattern	F03	F04	F05	F04	F0507	F04	F0507		F0710		F1012		F14	F1012	F14	F1012	F14	F1216
Shaft connection	T9	T11			T14	T11	T14	T17		T22		T27		T36	T27	T36	T27	T46
Shaft connection depth	10 m m	12 mm			16 m m	12 m m	16 m m	19 mm		24 mm		29 mm		38 m m	29 m m	38 m m	29 m m	48 m m
Mode of operation	Single-acting																	
Design	Rack and pinion																	
Mounting position	optional																	
Pneumatic connection	G1/8, 1/8 NPT						G1/8	G1/8, 1/8 NPT	G1/4, 1/4 NPT									
Fitting connection conforms to standard	ISO 5211																	
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)																	
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1									VDI/VDE 3845 size AA 2				VDI/VDE 3845 size AA 3				
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture, Up to SIL 1 high demand mode																	
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Product can be used in SRP/CS up to SIL 1 (High Demand), Up to SIL 3 in a redundant architec- ture																	
Maritime classification	See certificate																	
Swivel angle	90 deg																	
End-position adjustment range at 0°	-5 ... 5 deg																	
End-position adjustment range at nominal swivel angle	-5 ... 5 deg																	
Closing direction	Closes to the right																	

Datasheet

Operating and environmental conditions DFPD 20 to 2300, double-acting

Size of valve actuator	20	40	60	80	120	160	240	300	480	700	900	1,200	2,300
Operating pressure	2 ... 8 bar												
Operating pressure	0.2 ... 0.8 MPa												
Operating pressure	29 ... 116 psi												
Nominal operating pressure	3 ... 6 bar									6 bar	5.5 ... 6 bar	6 bar	
Nominal operating pressure	0.3 ... 0.6 MPa									0.6 MPa	0.55 ... 0.6 MPa	0.6 MPa	
Nominal operating pressure	43.5 ... 87 psi									87 psi	79.75 ... 87 psi	87 psi	
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]												
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)												
Ambient temperature	-20 ... 80°C												
Storage temperature	-20 ... 60°C												
Certificate issuing authority	DNV TAP00001CE, German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023												
Maritime classification	See certificate												
UKCA marking (see declaration of conformity)	To UK EX instructions												
LABS (PWIS) conformity	VDMA24364-B1/B2-L												
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	0.8 l	1.5 l	2 l	3.1 l	4.3 l	5.9 l	8.6 l	11 l	17.2 l	24.5 l	31.5 l	43.5 ... 105 l	84.4 l

ATEX DFPD 20 to 2300, double-acting

Size of valve actuator	20	40	60	80	120	160	240	300	480	700	900	1,200	2,300
Ambient temperature	-20 ... 80°C												
ATEX category gas	II 2G												
Explosion ignition protection type for gas	Ex h IIC T4 Gb X												
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X												
ATEX category dust	II 2D												
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C												
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)												
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)												
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16												

Materials DFPD 20 to 2300, double-acting

Material cover	Coated die-cast aluminium
Material housing	Anodised aluminium, Aluminium, powder-coated
Material shaft	Nickel-plated steel, High-alloy stainless steel
Material sub-base	Coated wrought aluminium alloy, Anodised wrought aluminium alloy
Material piston	Die-cast aluminium
Material seals	NBR
Material bearing	POM
Material cam	Steel, High-alloy stainless steel
Material screws	High-alloy stainless steel
Material spring	Spring steel
Note on materials	RoHS-compliant

Datasheet

General technical data DFPD-C

Size of valve actuator	20	40	80	120	160	240	300	480	700	900	1,200	2,300	
Flange hole pattern	F05		F0507	F07		F10		F12		F14		F16	
Shaft connection	T11	T14		T17		T17, T22		T22		T27		T36	T46
Shaft connection depth	12	16		19		19, 24		24		29		38	48
Mode of operation	Single-acting												
Design	Rack and pinion												
Mounting position	optional												
Pneumatic connection	G1/8, 1/8 NPT		G1/8	G1/8, 1/8 NPT	G1/4, 1/4 NPT								G1/4, G1/2, 1/4 NPT, 1/2 NPT
Fitting connection conforms to standard	ISO 5211												
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)												
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1					VDI/VDE 3845 size AA 2				VDI/VDE 3845 size AA 3			
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture, Up to SIL 1 high demand mode												
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Product can be used in SRP/CS up to SIL 1 (High Demand), Up to SIL 3 in a redundant architecture												
Swivel angle	90 deg												
End-position adjustment range at 0°	-5 ... 5 deg												
End-position adjustment range at nominal swivel angle	-5 ... 5 deg												
Closing direction	Closes to the right												
Safety function	The safety function consists of the drive switching to the defined safety switching position when the compressed air is switched off and the spring chamber is exhausted. This switching movement is realised by the spring force of the spring assembly.												
Device type according to VDMA 66413	Safety device												

Operating and environmental conditions DFPD-C

Size of valve actuator	20	40	80	120	160	240	300	480	700	900	1,200	2,300
Operating pressure	2 ... 8 bar											
Operating pressure	0.2 ... 0.8 MPa											
Operating pressure	29 ... 116 psi											
Nominal operating pressure	3.5 ... 6 bar											
Nominal operating pressure	0.35 ... 0.6 MPa											
Nominal operating pressure	50.75 ... 87 psi											
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]											
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)											
Ambient temperature	-20 ... 80°C											
Storage temperature	-20 ... 60°C											
Certificate issuing authority	DNV TAP00001CE, German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023											
Maritime classification	See certificate											
UKCA marking (see declaration of conformity)	To UK EX instructions											

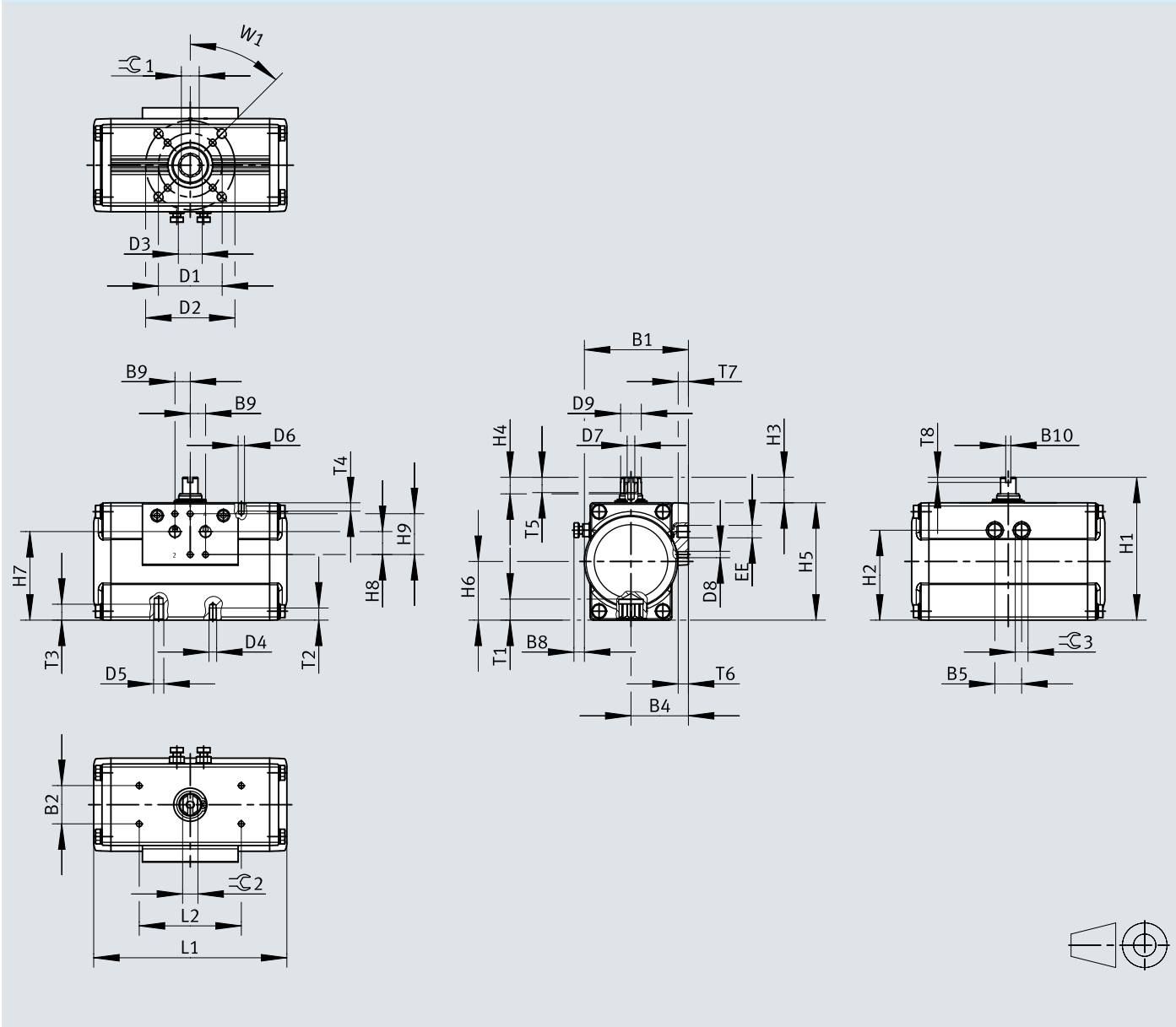
Datasheet

ATEX DFPD-C												
Size of valve actuator	20	40	80	120	160	240	300	480	700	900	1,200	2,300
Ambient temperature	-20 ... 80°C											
ATEX category gas	II 2G											
Explosion ignition protection type for gas	Ex h IIC T4 Gb X											
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X											
ATEX category dust	II 2D											
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C											
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)											
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)											
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16											

Materials DFPD-C	
Material cover	Coated die-cast aluminium, Anodised die-cast aluminium
Material housing	Anodised aluminium
Material shaft	Nickel-plated steel, High-alloy stainless steel
Material sub-base	Anodised wrought aluminium alloy
Material piston	Die-cast aluminium
Material seals	NBR
Material spring	Spring steel
Material bearing	POM
Material cam	Steel, High-alloy stainless steel
Material screws	High-alloy stainless steel
Note on materials	RoHS-compliant

Dimensions

Dimensions – DFPD double-acting, size 10 ... 80 Download CAD data www.festo.com



Dimensions

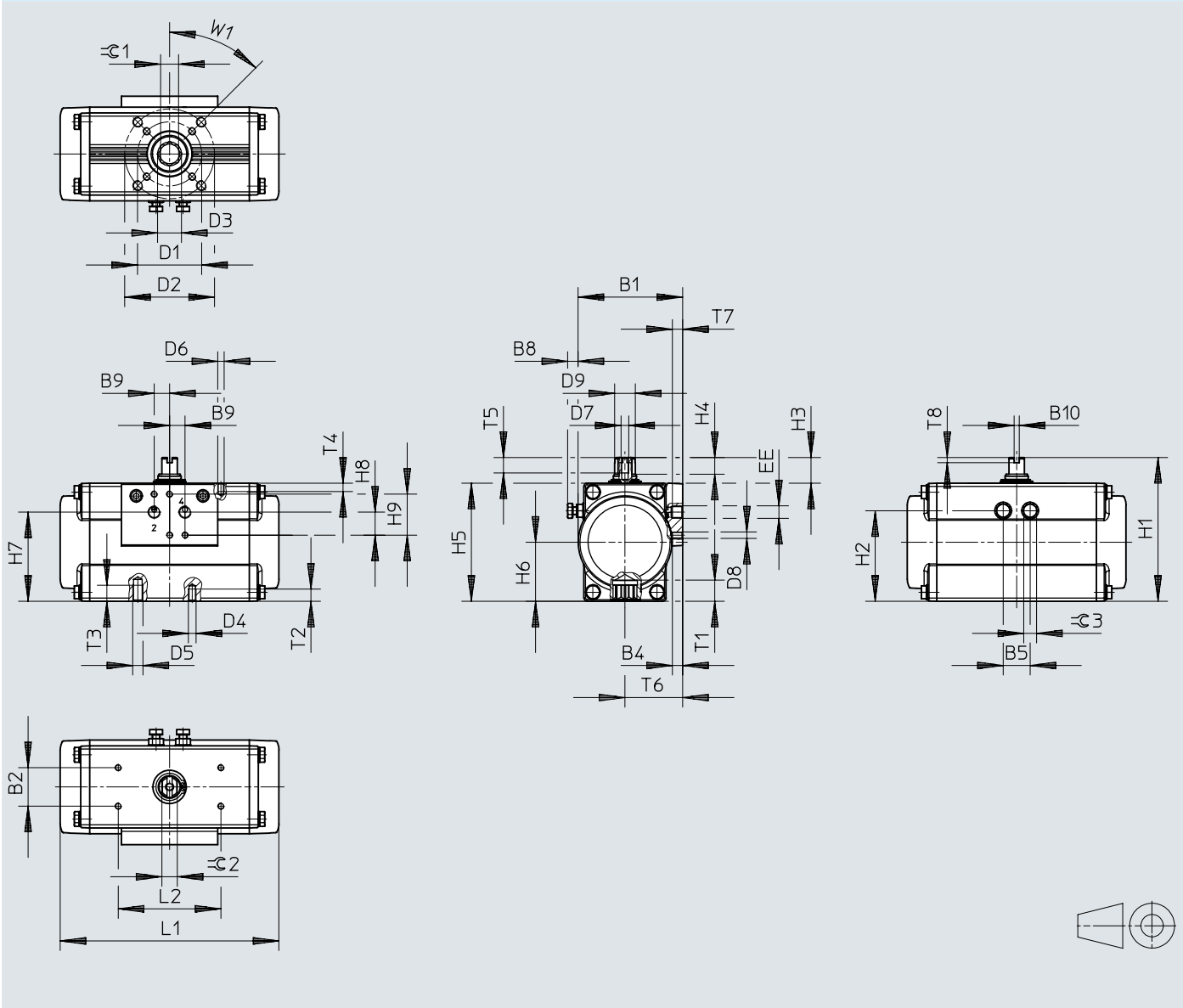
	B1	B2 ±0,1	B4	B5	B8 max.	B9	B10	D1 Ø ±0,1	D2 Ø ±0,1	D3 Ø	D4	D5	D6
DFPD-10-F03	59,5	30	35	16	10,7	12	4	36	–	12	M5	–	M5
DFPD-10-F04								42					
DFPD-20-F04	68,5		38,5	19	9,2			50	–	14,6	M5	–	
DFPD-20-F05											M6		
DFPD-40-...-F0507	81,5		45	21	8,2				70	18,7	M6	M8	
DFPD-40-180-...-F0507													
DFPD-60-F05	93,5		50,5	24	11					23,3			
DFPD-60-...													
DFPD-80-...-F0507	99		53	26	9								

	D7	D8	D9 Ø ±0,1	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6 ±0,2	H7 ±0,3	H8 ±0,1	H9			
DFPD-10-F03	M6	M5	10,9	G 1/8 1/8 NPT	90	51	19,5	20,4	10	70	35	47	16	32			
DFPD-10-F04			100		59,75	10			80	40	57,5	17					
DFPD-20-F04							12,7	112					70,5		19,5	20,3	13
DFPD-20-F05			16,2		124,9	82,1	19,4	20,4	105	52,5	82,4	18					
DFPD-40-...-F0507			19		130	86	19,5	20,3	110	55	86,5	16					
DFPD-40-180-...-F0507																	
DFPD-60-F05																	
DFPD-60-...																	
DFPD-80-...-F0507						20,2											

	L1	L2	T1	T2	T3	T4	T5	T6	T7	T8	≈ 1	≈ 2	≈ 3	W1																		
		±0,1	min.	min.	min.	min.	min.		min.	+0,5	H11	h11																				
DFPD-10-F03	124,7	80	10	8	–	8	12	8	8	4	9	9	10	45°																		
DFPD-10-F04			12		–						11	9	10																			
DFPD-20-F04	133,3		16	9	12						14	12	10																			
DFPD-20-F05																																
DFPD-40-...-F0507	151,4		19								17	14	13																			
DFPD-40-180-...-F0507	227																															
DFPD-60-F05	170		19																													
DFPD-60-...																																
DFPD-80-...-F0507	189,3																															

Dimensions

Dimensions – DFPD double-acting, sizes 120 ... 480 Download CAD data www.festo.com



Dimensions

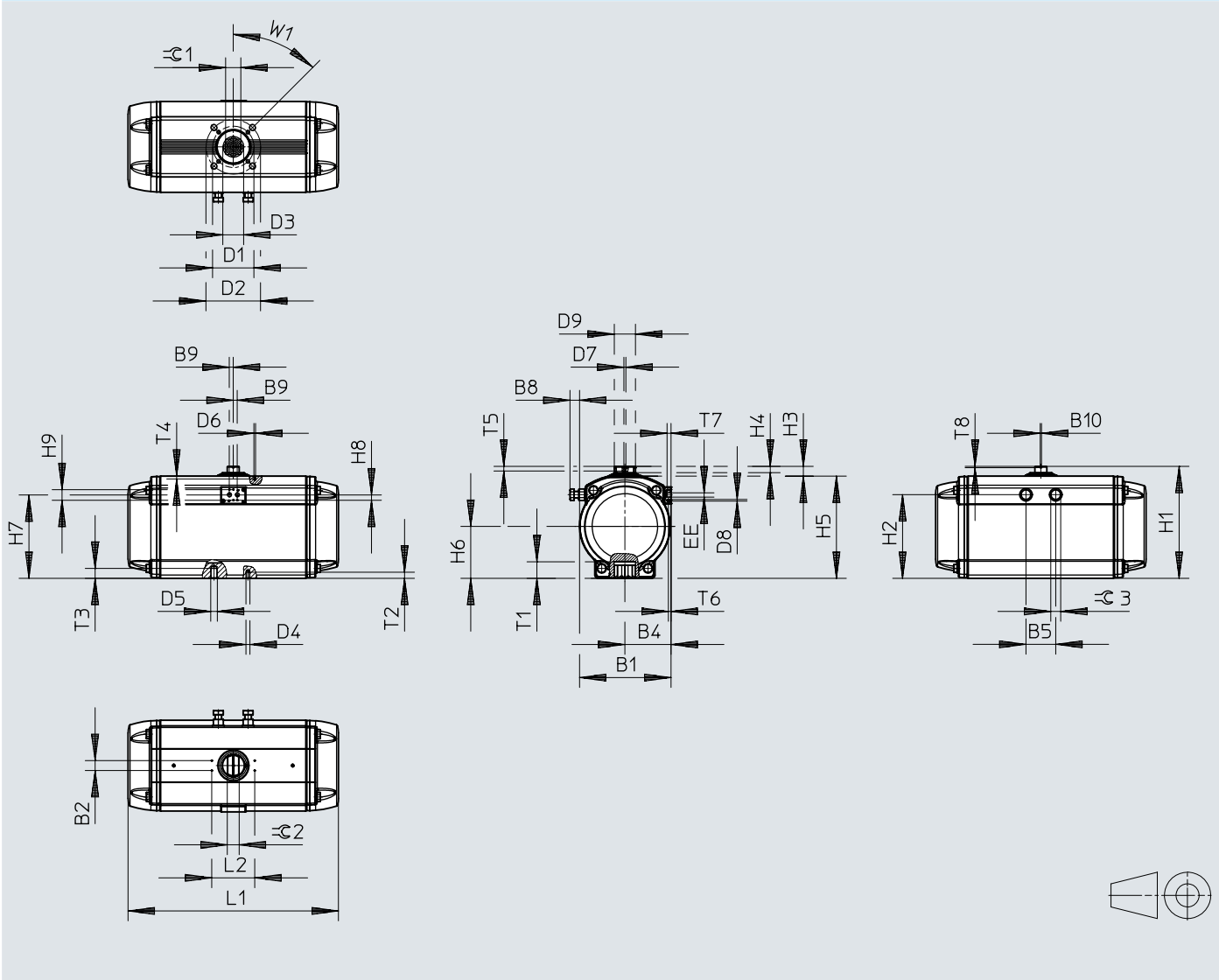
	B1	B2	B4	B5	B8	B9	B10	D1 ∅ ±0,1	D2 ∅ ±0,1	D3 ∅	D4	D5	D6
		±0,1			max.								
DFPD-120-...-F0507	111,5	30	60,5	32	12,3	12	4	50	70	23,2	M6	M8	M5
DFPD-120-180-...-F0507													
DFPD-160-...-F0710	120		63,5	36	13,4			70	102	30	M8	M10	
DFPD-240-...-F0710	135,5		71,5	41	18,5					30,3			
DFPD-240-180-...-F0710										30,3			
DFPD-300-...-F0710	144		74,5	46	17					30	M10	M12	
DFPD-480-...-F1012	163		83	52	19,3			102	125	37,4			
DFPD-480-180-...-F1012													

	D7	D8	D9 ∅ ±0,1	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6	H7 ±0,3	H8 ±0,1	H9
DFPD-120-...-F0507	M6	M5	22,5	G 1/4 1/4 NPT	143	97,75	19,5	20,3	13	123	61,5 _{±0,2}	98,4	16	32
DFPD-120-180-...-F0507			25,5		154	106,25		20,4		134	67 _{±0,2}	109,4		
DFPD-160-...-F0710			31,8		180	120,5	29,4	30,3	19,5	150	75 _{±0,2}	120,2		
DFPD-240-...-F0710										162	81 _{±0,3}	132,1		
DFPD-240-180-...-F0710										184	92 _{±0,4}	152,5		
DFPD-300-...-F0710														
DFPD-480-...-F1012			38		214	149,5	29,3							
DFPD-480-180-...-F1012														

	L1	L2	T1	T2	T3	T4	T5	T6	T7	T8	≈C 1	≈C 2	≈C 3	W1
		±0,1	±0,4							+0,5	H11	h11		
DFPD-120-...-F0507	213,7	80	19,3	9	12	8	14	8	12	4	17	15	13	45°
DFPD-120-180-...-F0507	326,8													
DFPD-160-...-F0710	230,9		24,3	12	15						22	22	18	
DFPD-240-...-F0710	257													
DFPD-240-180-...-F0710	395,5													
DFPD-300-...-F0710	334,4													
DFPD-480-...-F1012	374,2		29,5	15	18						27	27	21	
DFPD-480-180-...-F1012	550,3													

Dimensions

Dimensions – DFPD double-acting, sizes 700 ... 2300 Download CAD data www.festo.com



Dimensions

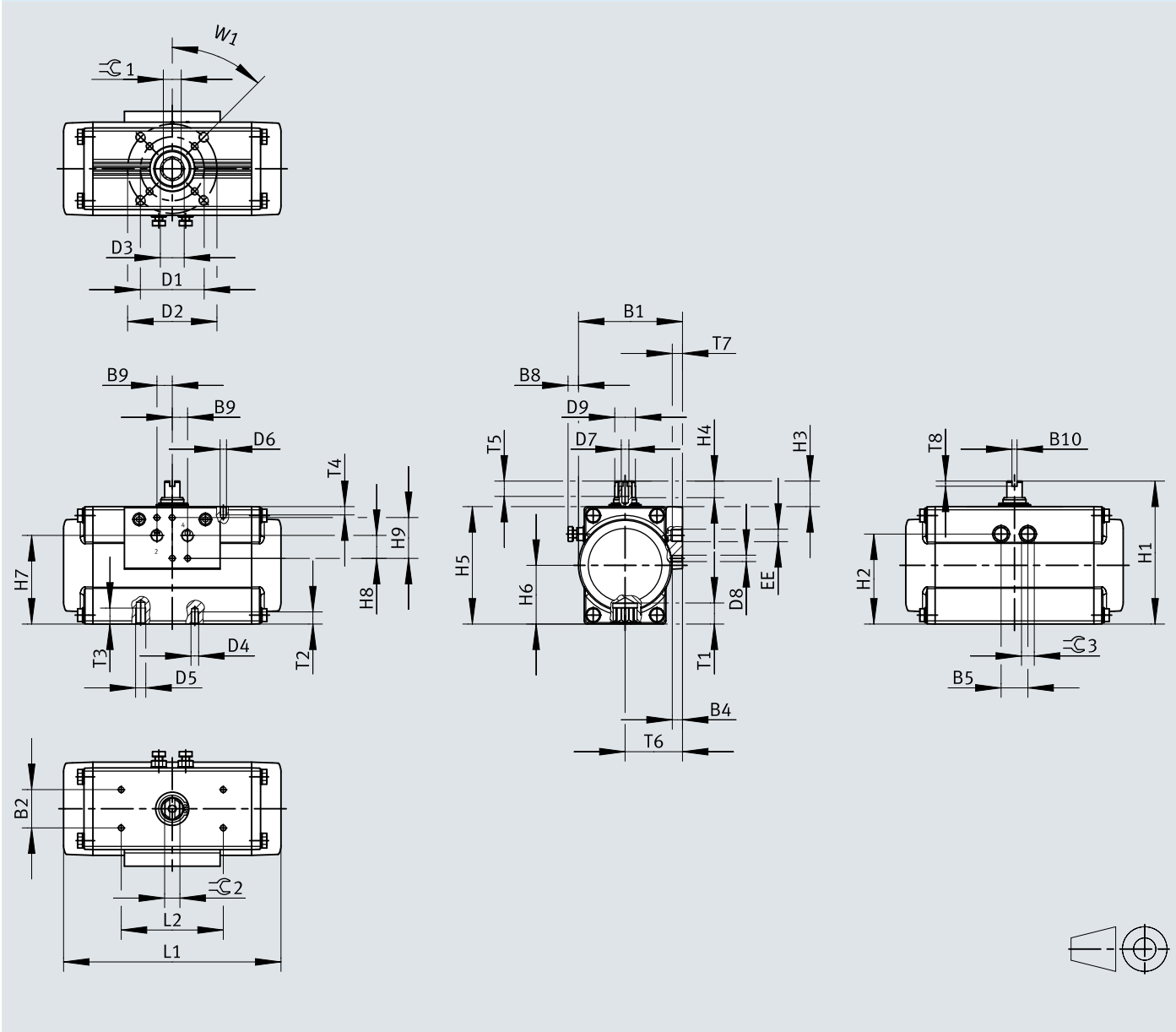
	B1	B2	B4	B5	B8	B9	B10	D1 Ø	D2 Ø	D3 Ø	D4	D5	D6
		±0,1			max.		±0,1						
DFPD-700- ... -F10/12	184	30	93	57,6	17,5	12	4	102	125	37,4	M10	M12	M5
DFPD-900- ... -F10/12	202		102	64,8	28,6			140	–	50,1	M16	–	
DFPD-900- ... -F14													
DFPD-1200- ... -F10/12	221,5		111,5	72	24			102	125	37,4	M10	M12	
DFPD-1200- ... -F14													
DFPD-2300- ... -F12/16	277		139,8	90	33	20		125	165	62,9	M12	M20	
DFPD-2300- ... -F14													
DFPD-2300- ... -F12/16-X	281		143,8					140	–	50,1	M16	–	
DFPD-2300- ... -F14-X													
DFPD-2300- ... -F16-X													

	D7	D8	D9	EE	H1	H2	H3	H4	H5	H6	H7	H8	H9
			±0,1				-0,5					±0,1	
DFPD-700- ... -F10/12	M6	M5	41	G 1/4 1/4 NPT	232,7	168	30	21	203	103	164,9	16	32
DFPD-900- ... -F10/12			44		252,7	182			223	113	178,3		
DFPD-900- ... -F14					246	125			199,6				
DFPD-1200- ... -F10/12													
DFPD-1200- ... -F14			50		275,7	204							
DFPD-2300- ... -F12/16		M6	64	G 1/2 1/2 NPT	338,7	253	19	309	157	252,3	250	22,5	45
DFPD-2300- ... -F14													
DFPD-2300- ... -F12/16-X													
DFPD-2300- ... -F14-X													
DFPD-2300- ... -F16-X													

	L1	L2	T1	T2	T3	T4	T5	T6	T7	T8	≈G 1	≈G 2	≈G 3	W1									
		±0,1	min.							+0,5	H11	h11											
DFPD-700- ... -F10/12	428,2	80	29,7	15	18	8	14	8	12	4	27	30	21	45°									
DFPD-900- ... -F10/12	469,6	130	30,2	15,5	18,5	8,5					32	24											
DFPD-900- ... -F14			40,2	24,5	–						36												
DFPD-1200- ... -F10/12	519,3		31	15,5	18,5						27	36	30										
DFPD-1200- ... -F14			40	24,5	–						36												
DFPD-2300- ... -F12/16	636		50	18,5	30						36/46												
DFPD-2300- ... -F14			40	24,5	–																		
DFPD-2300- ... -F12/16-X			50	18,5	30																		
DFPD-2300- ... -F14-X			40	24,5	–	12		16															
DFPD-2300- ... -F16-X			50	30																			

Dimensions

Dimensions – DFPD single-acting, size 20 ... 80 Download CAD data www.festo.com



Dimensions

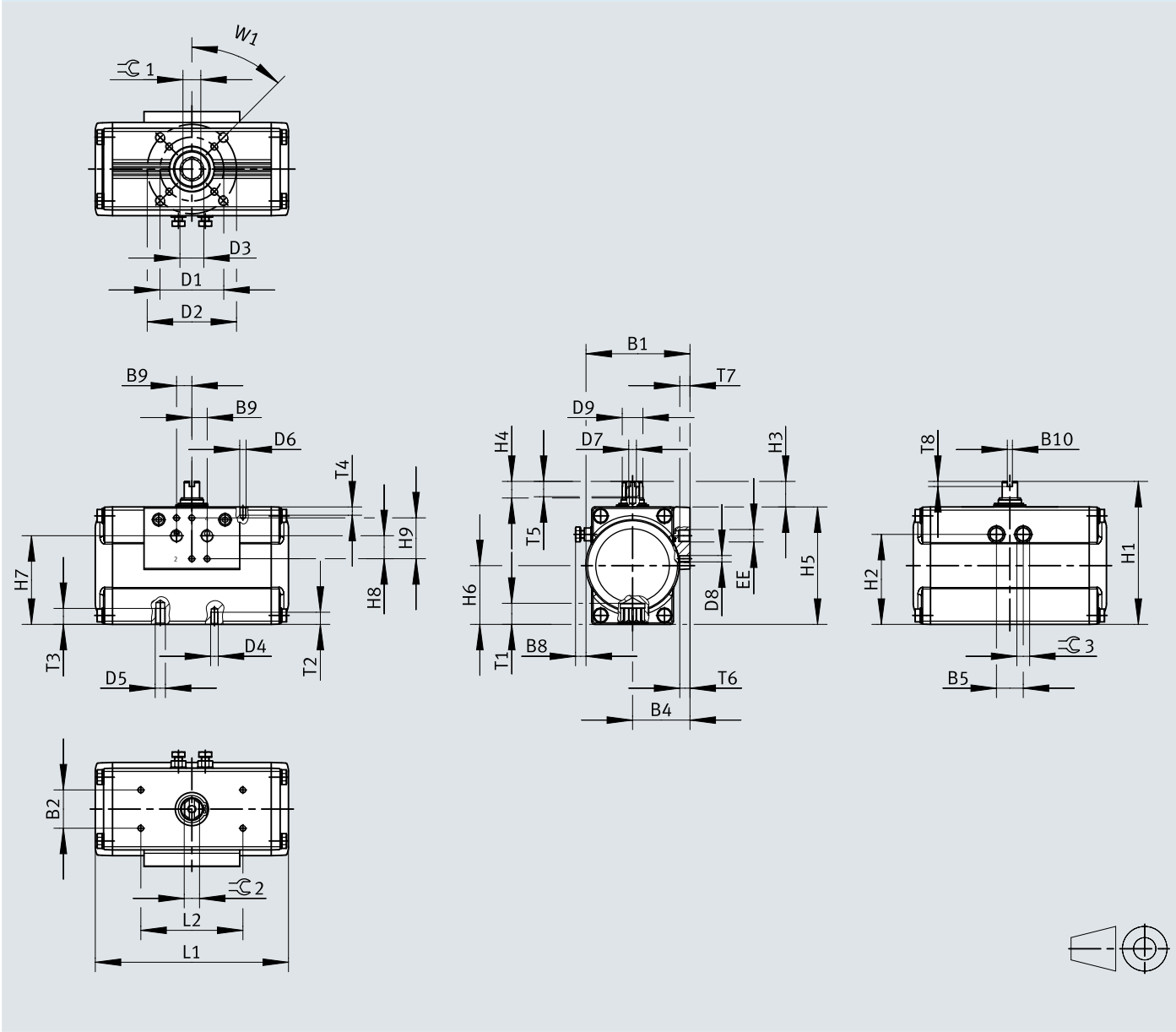
	B1	B2	B4	B5	B8	B9	B10	D1 Ø	D2 Ø	D3 Ø	D4	D5	D6	
		±0,1			max.		+0,1	±0,1	±0,1					
DFPD-20-F03	68,5	30	38,5	19	9,2	12	4	36	-	12	M5	-	M5	
DFPD-20-F04								42		14,6				M6
DFPD-20-F05								50						
DFPD-40-F04	81,5		45	21	8,2			42	70	18,7	M6	M8		
DFPD-40-F0507										14,6	M5	-		
DFPD-60-F04										18,7	M6	M8		
DFPD-60-F05	23,3													
DFPD-60-...														
DFPD-80-F0507	99		53	26	9									

	D7	D8	D9 Ø	EE	H1	H2	H3	H3	H4	H5	H6	H7	H8	H9
			±0,1				min.	max.	+0,1		±0,2	±0,3	±0,1	
DFPD-20-F03	M6	M5	12,7	G 1/8 1/8 NPT	100	59,75	19,5	20,4	10	80	40	57,5	17	32
DFPD-20-F04			16,2		112	70,5	19,5	20,3	13	92	46	67,5		
DFPD-20-F05														
DFPD-40-F04														
DFPD-40-F0507			19	124,9	82,1	19,4	20,4	105		52,5	82,4	18		
DFPD-60-F04														
DFPD-60-F05														
DFPD-60-...			20,2	130	86	19,5	20,3	110	55	86,5				
DFPD-80-F0507														

	L1	L2	T1	T2	T3	T4	T5	T6	T7	T8	≈ 1	≈ 2	≈ 3	W1			
		±0,1	min.	min.	min.	min.	min.		min.	+0,5	H11	h11					
DFPD-20-F03	145,7	80	10	8	-	8	12	8	8	4	9	9	10	45°			
DFPD-20-F04			12	9							11						
DFPD-20-F05				8													
DFPD-40-F04	170,4		16	9	12						14	12	13				
DFPD-40-F0507			8	-	11												
DFPD-60-F04			12	8	-						14						
DFPD-60-F05	201			9	12						14	14	13				
DFPD-60-...	19			12							17						
DFPD-80-F0507			223,1								15						

Dimensions

Dimensions – DFPD single-acting, size 120 ... 480 Download CAD data www.festo.com



Dimensions

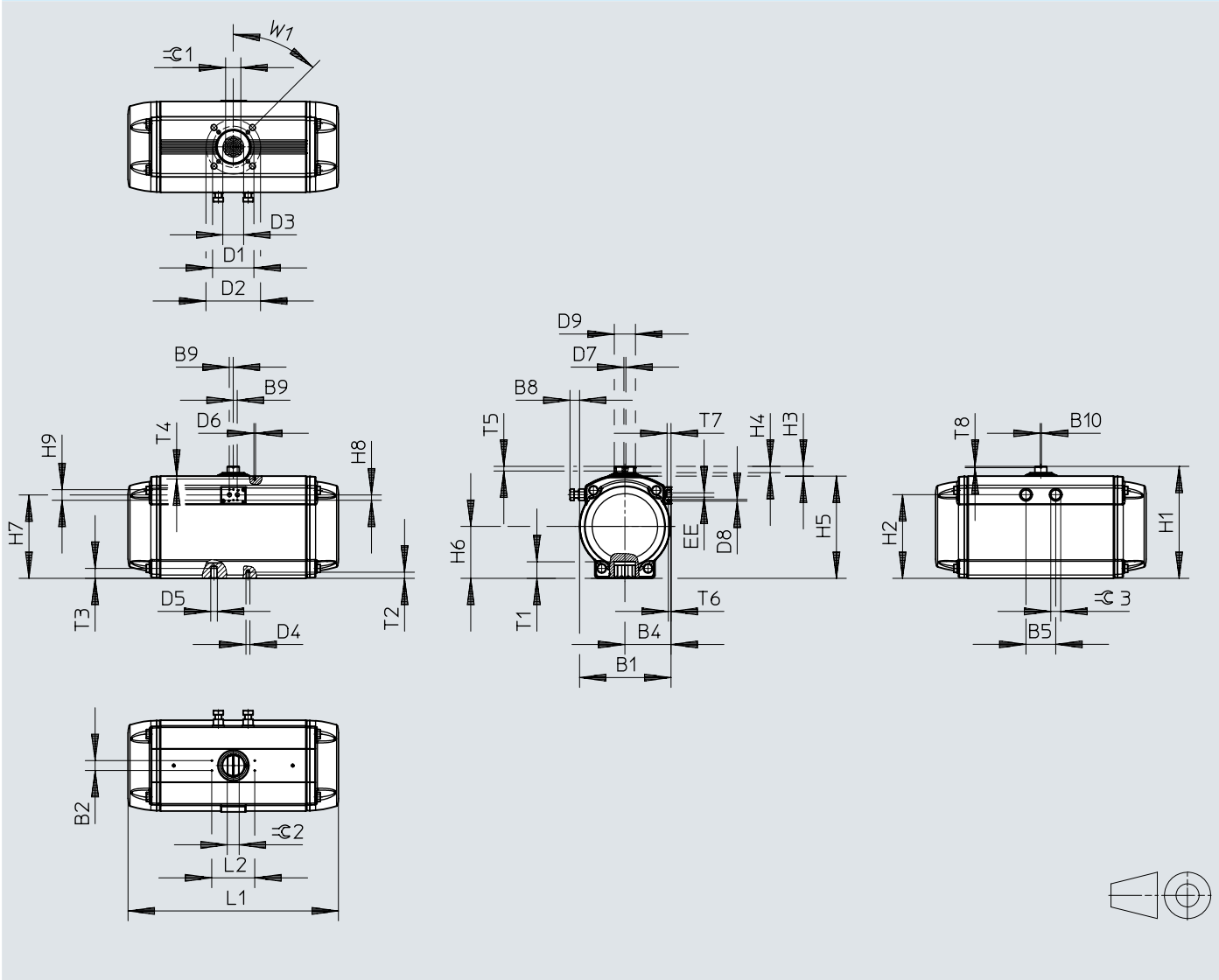
	B1	B2	B4	B5	B8	B9	B10	D1 Ø	D2 Ø	D3 Ø	D4	D5	D6
		±0,1			max.			±0,1	±0,1				
DFPD-120-F0507	111,5	30	60,5	32	12,3	12	4	50	70	23,2	M6	M8	M5
DFPD-160-F0710	120		63,5	36	13,4			70	102	30	M8	M10	
DFPD-240-F0710	135,5		71,5	41	18,5					30,3			
DFPD-300-F0710	144		74,5	46	17					30			
DFPD-480-F1012	163		83	52	19,3			102	125	37,4	M10	M12	

	D7	D8	D9 Ø	EE	H1	H2	H3	H3	H4	H5	H6	H7	H8	H9	
			±0,1				min.	max.	+0,1			±0,3	±0,1		
DFPD-120-F0507	M6	M5	22,5	G 1/4 1/4 NPT	143	97,75	19,5	20,3	13	123	61,5	98,4	16	32	
DFPD-160-F0710			25,5		154	106,25		20,4		134	67	109,4			
DFPD-240-F0710			31,8		180	120,5	29,4	30,3	19,5	150	75	120,2			
DFPD-300-F0710					192	131				162	81	132,1			
DFPD-480-F1012			38		214	149,5				184	92	152,5			

	L1	L2	T1	T2	T3	T4	T5	T6	T7	T8	≈G 1	≈G 2	≈G 3	W1						
		±0,1	±0,4							+0,5	H11	h11								
DFPD-120-F0507	252,3	80	19,3	9	12	8	14	8	12	4	17	15	13	45°						
DFPD-160-F0710	270,9		24,3	12	15						22	19	16							
DFPD-240-F0710	301,4											22	18							
DFPD-300-F0710	334,4																			
DFPD-480-F1012	374,2		29,5	15	18						27	27	21							

Dimensions

Dimensions – DFPD single-acting, size 700 ... 2300 Download CAD data www.festo.com



Dimensions

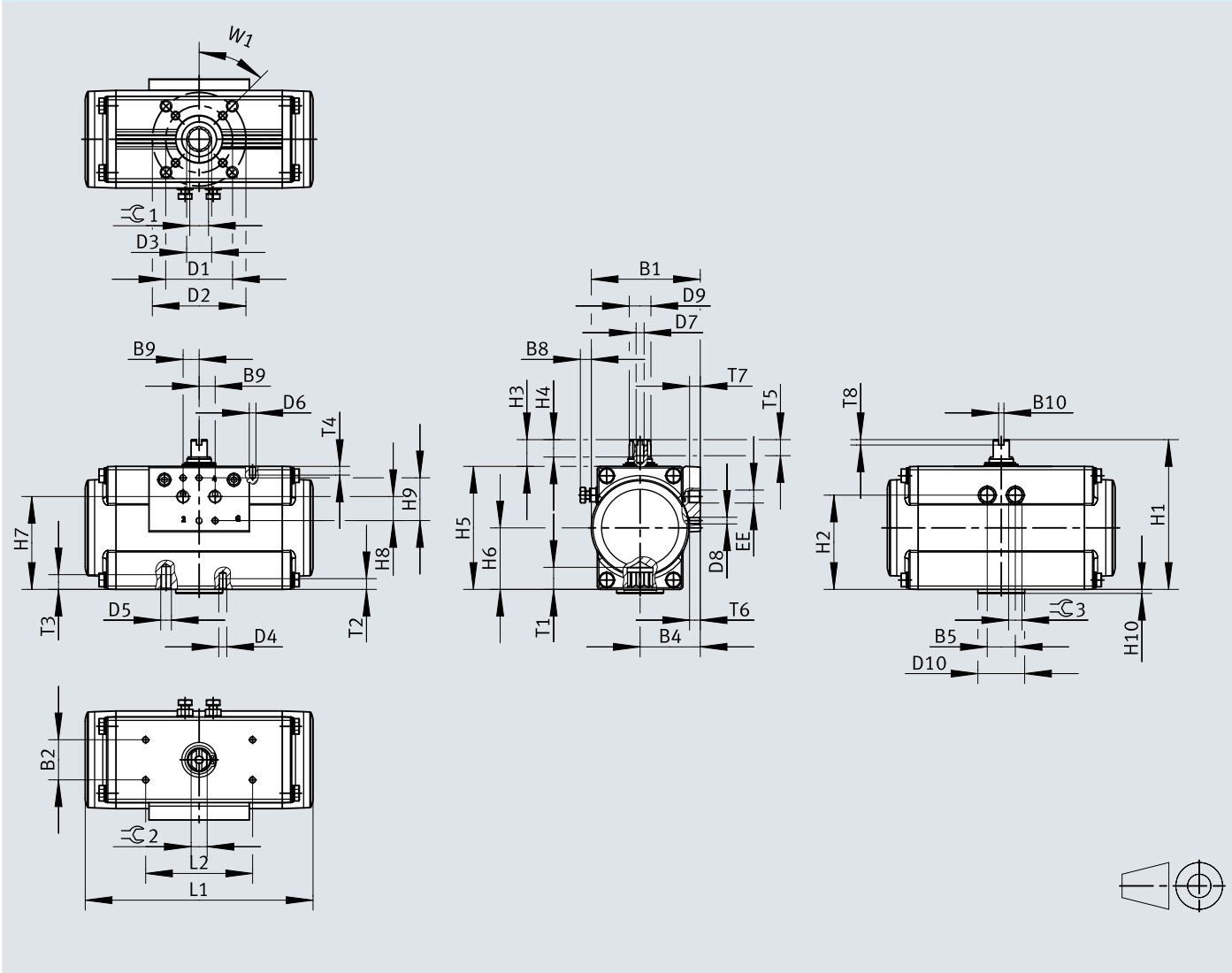
	B1	B2	B4	B5	B8	B9	B10	D1 Ø	D2 Ø	D3 Ø	D4	D5	D6
		±0,1			max.		±0,1						
DFPD-700-...-F10/12	184	30	93	57,6	17,5	12	4	102	125	37,4	M10	M12	M5
DFPD-900-...-F10/12	202		102	64,8	28,6			140	–	50,1	M16	–	
DFPD-900-...-F14								102	125	37,4	M10	M12	
DFPD-1200-...-F10/12	221,5		111,5	72	24			140	–	50,1	M16	–	
DFPD-1200-...-F14								125	165	62,9	M12	M20	
DFPD-2300-...-F12/16	277		139,8	90	33	20		140	–	50,1	M16	–	
DFPD-2300-...-F14								125	165	62,9	M12	M20	
DFPD-2300-...-F12/16-X	281		143,8					140	–	50,1	M16	–	
DFPD-2300-...-F14-X								165		62,9	M20		
DFPD-2300-...-F16-X													

	D7	D8	D9 Ø ±0,1	EE	H1	H2	H3	H4	H5	H6	H7	H8	H9	
							-0,5					±0,1		
DFPD-700-...-F10/12	M6	M5	41	G 1/4 1/4 NPT	232,7	168	30	21	203	103	164,9	16	32	
DFPD-900-...-F10/12			44		252,7	182			223	113	178,3			
DFPD-900-...-F14														
DFPD-1200-...-F10/12			50		275,7	204			246	125	199,6			
DFPD-1200-...-F14														
DFPD-2300-...-F12/16														
DFPD-2300-...-F14		M6	64	G 1/2 1/2 NPT	338,7	253		19	309	157	252,3	250	22,5	45
DFPD-2300-...-F12/16-X														
DFPD-2300-...-F14-X														
DFPD-2300-...-F16-X														

	L1	L2	T1	T2	T3	T4	T5	T6	T7	T8	≈G 1	≈G 2	≈G 3	W1			
		±0,1	min.							+0,5	H11	h11					
DFPD-700-...-F10/12	428,2	80	29,7	15	18	8	14	8	12	4	27	30	21	45°			
DFPD-900-...-F10/12	469,6	130	30,2	15,5	18,5	8,5					36	32	24				
DFPD-900-...-F14			40,2	24,5	–										36/46	36	30
DFPD-1200-...-F10/12			31	15,5	18,5												
DFPD-1200-...-F14	40		24,5	–													
DFPD-2300-...-F12/16	50		18,5	30													
DFPD-2300-...-F14	40		24,5	–													
DFPD-2300-...-F12/16-X	636		50	18,5	30												
DFPD-2300-...-F14-X			40	24,5	–												
DFPD-2300-...-F16-X			50	30													

Dimensions

Dimensions – DFPD-C single-acting, size 20 ... 480 www.festo.com



Dimensions

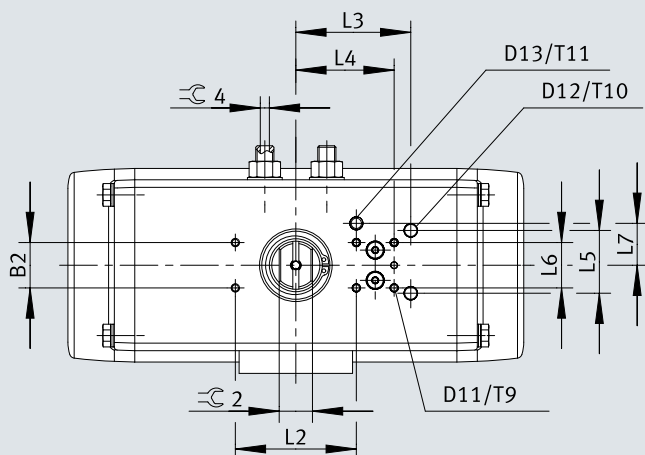
	B1	B2	B4	B5	B8	B9	B10	D1 Ø	D2 Ø	D3 Ø	D4	D5	D6	D7
		±0,1												
DFPD-20-...-F03	68,5	30	38,5	19	9,2	12	4	36	—	12	M5	—	M5	M6
DFPD-20-...-F04								42		14,6				
DFPD-20-...-F05								50			M5			
DFPD-40-...-F0407	81,5		45	21	8,2			42			18,7			
DFPD-40-...-F0507								99	53	26	9	23,3		
DFPD-80-...-F0507	111,5		60,5	32	12,3			23,2	M8	M10				
DFPD-160-...-F0710	120		63,5	36	13,4			30						
DFPD-240-...-F0710	135,5		71,5	41	18,5			30,3						
DFPD-300-...-F0710	144		74,5	46	17			30	M10	M12				
DFPD-480-...-F1012	163		83	52	19,3			102			125	37,4		

	D8	D9 Ø	D10	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6	H7	H8 ±0,1	H9	H10
DFPD-20-...-F03	M5	12,7	—	G1/8 1/8 NPT	100	59,75	19,5	20,4	10	80	40	57,5	17	32	3
DFPD-20-...-F04			30												
DFPD-20-...-F05			—												
DFPD-40-...-F0407		16,2	35		112	70,5		20,3	13	92	46	67,5			
DFPD-40-...-F0507															
DFPD-80-...-F0507		20,2	55	130	86	110							55		
DFPD-120-...-F0507		22,5		143	97,75	123				61,5	98,4				
DFPD-160-...-F0710		25,5		154	106,25	134				67	109,4				
DFPD-240-...-F0710		31,8	70	180	120,5	20,4	30,3	19,5	150	75	120,2	16			
DFPD-300-...-F0710				192	131				162	81	132,1				
DFPD-480-...-F1012		38	85	214	149,5	29,3			184	92	152,5				

	L1	L2	T1	T2	T3	T4	T5	T6	T7	T8	W1	≈ 1	≈ 2	≈ 3	
			min.	min.	min.	min.	min.		min.	+0,5		H11	h11		
DFPD-20-...-F03	145,7	80	10	8	—	8	12	8	8	4	45°	9	9	10	
DFPD-20-...-F04			12	9								11			12
DFPD-20-...-F05				8											
DFPD-40-...-F0407	170,4		16	9	12				12			17	15		13
DFPD-40-...-F0507															
DFPD-80-...-F0507	252,3		24	12	15				12			22	22	16	
DFPD-120-...-F0507	270,9														
DFPD-160-...-F0710	301,4		29	15	18							27	27	21	
DFPD-240-...-F0710	334,4														
DFPD-300-...-F0710	374,2														
DFPD-480-...-F1012															

Dimensions

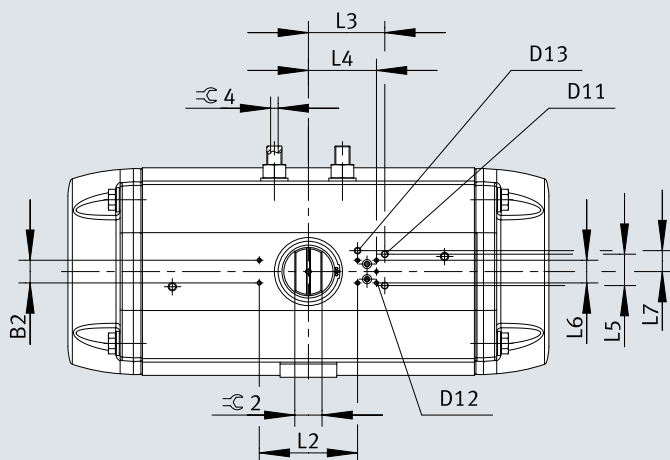
Dimensions – DFPD-C single-acting, size 20 ... 480, variant VDE2

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	B2	L2	≈G2	-C	-VDE2										
				≈G4	D11	D12 ∅	D13	L3 ±0,1	L4 ±0,1	L5	L6	L7	T9	T10	T11
			h11												
DFPD-10-F03	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-10-F04	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-20-F03	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-20-F04	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-20-F05	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-F04	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-120-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-135-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-180-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-80-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-120-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-135-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-180-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-160-F07	30	80	19	5	M5	-	-	76	65	-	30	-	10	-	-
DFPD-240-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-240-120-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-240-135-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-240-180-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-300-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-120-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-135-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-180-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5

Dimensions

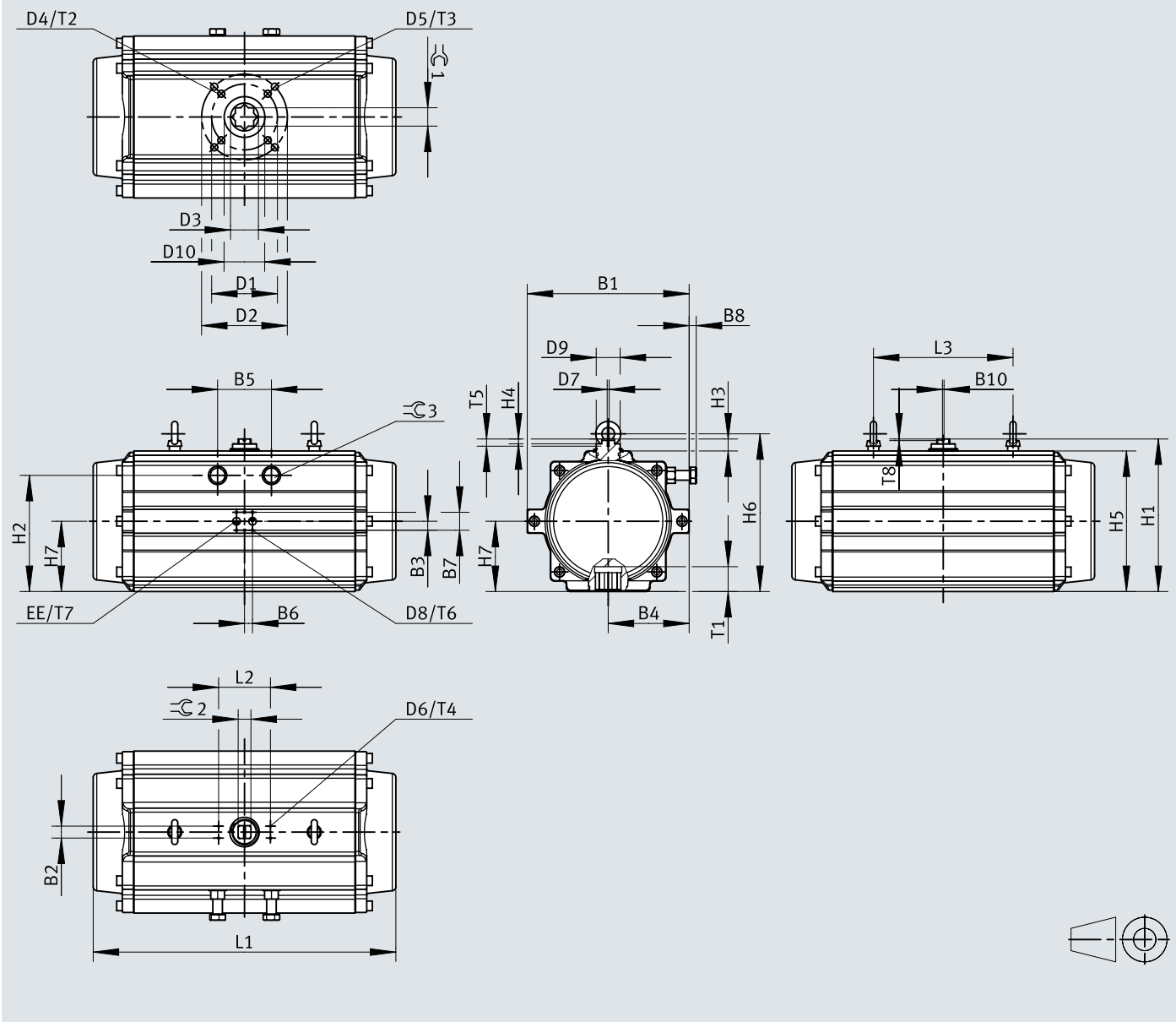
Dimensions – DFPD-C single-acting, size 700 ... 2300

 Download CAD data www.festo.com


	B2	L2	≅2	-C	-VDE2	D12	D13	L3	L4	L5	L6	L7
				≅4	D11 Ø							
	±0,1	±0,1	h11					±0,1	±0,1	±0,2	±0,1	±0,1
DFPD-700-F10/12	30	80	30	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-700-180-F10/12	30	130	30	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-900-F10/12	30	130	32	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-900-F14	30	130	32	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-1200-F10/12	30	130	36	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-1200-F14	30	130	36	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-2300-F12/16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-F14	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-F16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-...-X-F12/16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-...-X-F14	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-...-X-F16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7

Dimensions

Dimensions – DFPD, gear rack/pinion, size 3500/4500 Download CAD data www.festo.com



Dimensions

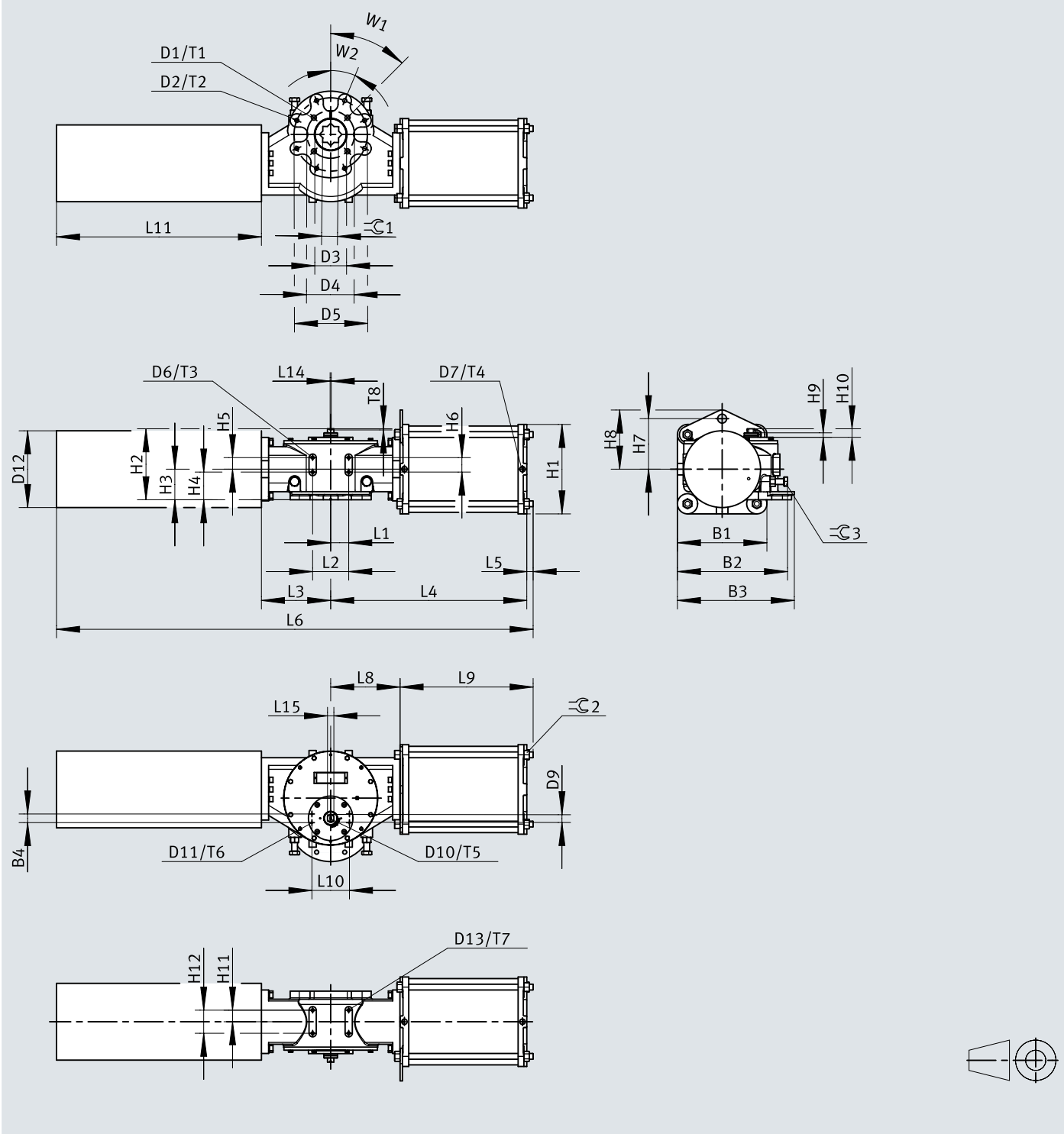
	B1	B2	B3	B4	B5	B6	B7	B8 max.	B10	D1 Ø	D2 Ø	D3 Ø	D4	D5
DFPD-3500-RP-...	294	30	22,5	147	120	20	45	29,5	4	–	165	69	–	M20
DFPD-4500-RP-...	406	30	22,5	203	135	20	45	7,8	4	165	215	70	M20	M20

	D6	D7	D8	D9 Ø	D10 Ø	EE	H1	H2	H3	H4	H5	H6	H7	L1
DFPD-3500-RP-...	M5	M6	M6	60	118	G1/2	362	276	30	11,8	332	371,6	166	727
DFPD-4500-RP-...	M5	M6	M6	60	102	G1/2	382,3	291,1	30	11,8	352,3	397,3	176,1	759

	L2	L3	T1	T2	T3	T4	T5	T6	T7	T8	≈G 1	≈G 2	≈G 3
DFPD-3500-RP-...	130	320	52,5	–	25	8	12	10	14	4	46	32	30
DFPD-4500-RP-...	130	350	62,3	25	25	8	12	10	14	4	46	32	36

Dimensions

Dimensions – DFPD single-acting, Scotch yoke system Download CAD data www.festo.com



Dimensions

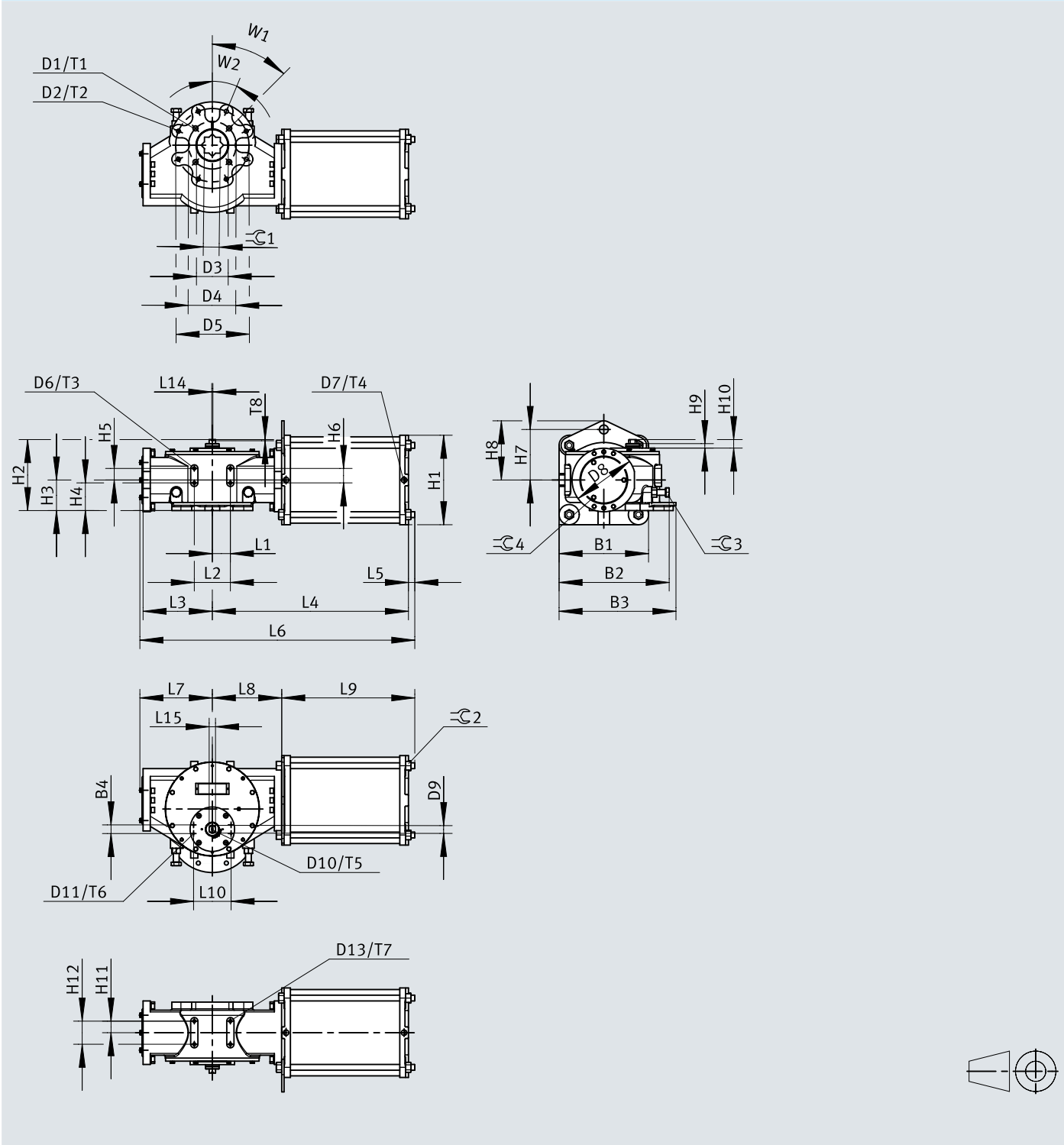
	B1	B2 max.	B3	B4	D1	D2	D3 ø	D4 ø	D5 ø	D6	D7	D9 ø	D10	D11	D12 ø	D13	H1	H2
DFPD-3500-SY-...S30-...	280	334	305	30	M20	–	90	165	–	M12	G1/2"	27	M6	M5	245	M12	280	238
DFPD-3500-SY-...S40-...	280	334	305	30	M20	–	90	165	–	M12	G1/2"	27	M6	M5	245	M12	280	238
DFPD-3500-SY-...S50-...	280	334	305	30	M20	–	90	165	–	M12	G1/2"	27	M6	M5	245	M12	280	238
DFPD-3500-SY-...S60-...	280	334	305	30	M20	–	90	165	–	M12	G1/2"	27	M6	M5	299	M12	280	238
DFPD-4500-SY-...S30-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	245	M12	280	246
DFPD-4500-SY-...S40-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	245	M12	280	246
DFPD-4500-SY-...S50-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	266	M12	280	246
DFPD-4500-SY-...S60-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	270	M12	280	246
DFPD-6500-SY-...S30-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	245	M12	310	246
DFPD-6500-SY-...S40-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	266	M12	310	246
DFPD-6500-SY-...S50-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	266	M12	310	246
DFPD-6500-SY-...S60-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	299	M12	310	246
DFPD-9500-SY-...S30-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	266	M12	430	246
DFPD-9500-SY-...S40-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	299	M12	430	246
DFPD-9500-SY-...S50-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	320	M12	430	246
DFPD-9500-SY-...S60-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	320	M12	430	246

	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	L1	L2	L3	L4	L5	L6	L8	L9
DFPD-3500-SY-...S30-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1386	210	375
DFPD-3500-SY-...S40-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1386	210	375
DFPD-3500-SY-...S50-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1416	210	375
DFPD-3500-SY-...S60-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1446	210	375
DFPD-4500-SY-...S30-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1588	240	420
DFPD-4500-SY-...S40-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1588	240	420
DFPD-4500-SY-...S50-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1588	240	420
DFPD-4500-SY-...S60-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1604	240	420
DFPD-6500-SY-...S30-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1594	240	420
DFPD-6500-SY-...S40-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1594	240	420
DFPD-6500-SY-...S50-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1610	240	420
DFPD-6500-SY-...S60-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1610	240	420
DFPD-9500-SY-...S30-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1610	240	405
DFPD-9500-SY-...S40-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1610	240	405
DFPD-9500-SY-...S50-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1640	240	405
DFPD-9500-SY-...S60-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1670	240	405

	L10	L11	L12	L13	L14	L15	T1	T2	T3	T4	T5	T6	T7	T8	≈ 1	≈ 2	≈ 3
DFPD-3500-SY-...S30-...	80	592	62,5	125	4	22	30	–	18	16	9	8	18	4	46	28,5	30
DFPD-3500-SY-...S40-...	80	592	62,5	125	4	22	30	–	18	16	9	8	18	4	46	28,5	30
DFPD-3500-SY-...S50-...	80	622	62,5	125	4	22	30	–	18	16	9	8	18	4	46	28,5	30
DFPD-3500-SY-...S60-...	80	652	62,5	125	4	22	30	–	18	16	9	8	18	4	46	28,5	30
DFPD-4500-SY-...S30-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-4500-SY-...S40-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-4500-SY-...S50-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-4500-SY-...S60-...	130	712	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...S30-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...S40-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...S50-...	130	712	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...S60-...	130	712	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-9500-SY-...S30-...	130	712	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30
DFPD-9500-SY-...S40-...	130	712	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30
DFPD-9500-SY-...S50-...	130	742	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30
DFPD-9500-SY-...S60-...	130	772	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30

Dimensions

Dimensions – DFPD double-acting, Scotch yoke system [Download CAD data](http://www.festo.com) www.festo.com



Dimensions

	B1	B2 max.	B3	B4	D1	D2	D3 ø	D4 ø	D5 ø	D6	D7	D8 ø	D9 ø	D10
DFPD-3500-SY-...-D-...	280	334	305	30	M20	–	90	165	–	M12	G1/2"	206	27	M6
DFPD-4500-SY-...-D-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	220	27	M6
DFPD-6500-SY-...-D-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	220	27	M6
DFPD-9500-SY-...-D-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	220	27	M6

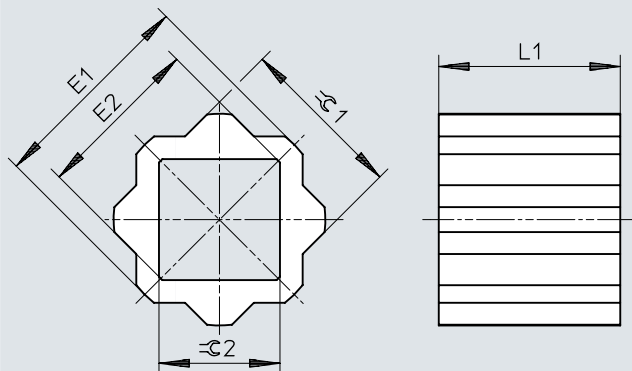
	D11	D13	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12
DFPD-3500-SY-...-D-...	M5	M12	280	238	103	93	40	50	183	223	16	30	40	80
DFPD-4500-SY-...-D-...	M5	M12	280	246	106	96	40	50	183	223	16	30	40	80
DFPD-6500-SY-...-D-...	M5	M12	310	246	106	96	40	50	197	237	16	30	40	80
DFPD-9500-SY-...-D-...	M5	M12	430	246	106	96	40	50	241	291	16	30	40	80

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L12	L13	L14
DFPD-3500-SY-...-D-...	62,5	125	208	565	20	803	217	210	375	80	62,5	125	4
DFPD-4500-SY-...-D-...	62,5	125	240	634	20	903	251	240	420	130	62,5	125	4
DFPD-6500-SY-...-D-...	62,5	125	240	636	20	909	251	240	420	130	62,5	125	4
DFPD-9500-SY-...-D-...	62,5	125	240	632	21	909	251	240	405	130	62,5	125	4

	L15	T1	T2	T3	T4	T5	T6	T7	T8	≈ 1	≈ 2	≈ 3	≈ 4
DFPD-3500-SY-...-D-...	22	30	–	18	16	9	8	18	4	46	28,5	30	13
DFPD-4500-SY-...-D-...	22	30	24	18	16	9	8	18	4	55	28,5	30	13
DFPD-6500-SY-...-D-...	22	30	24	18	16	9	8	18	4	55	28,5	30	13
DFPD-9500-SY-...-D-...	22	30	24	18	17	9	8	18	4	55	23	30	13

Dimensions

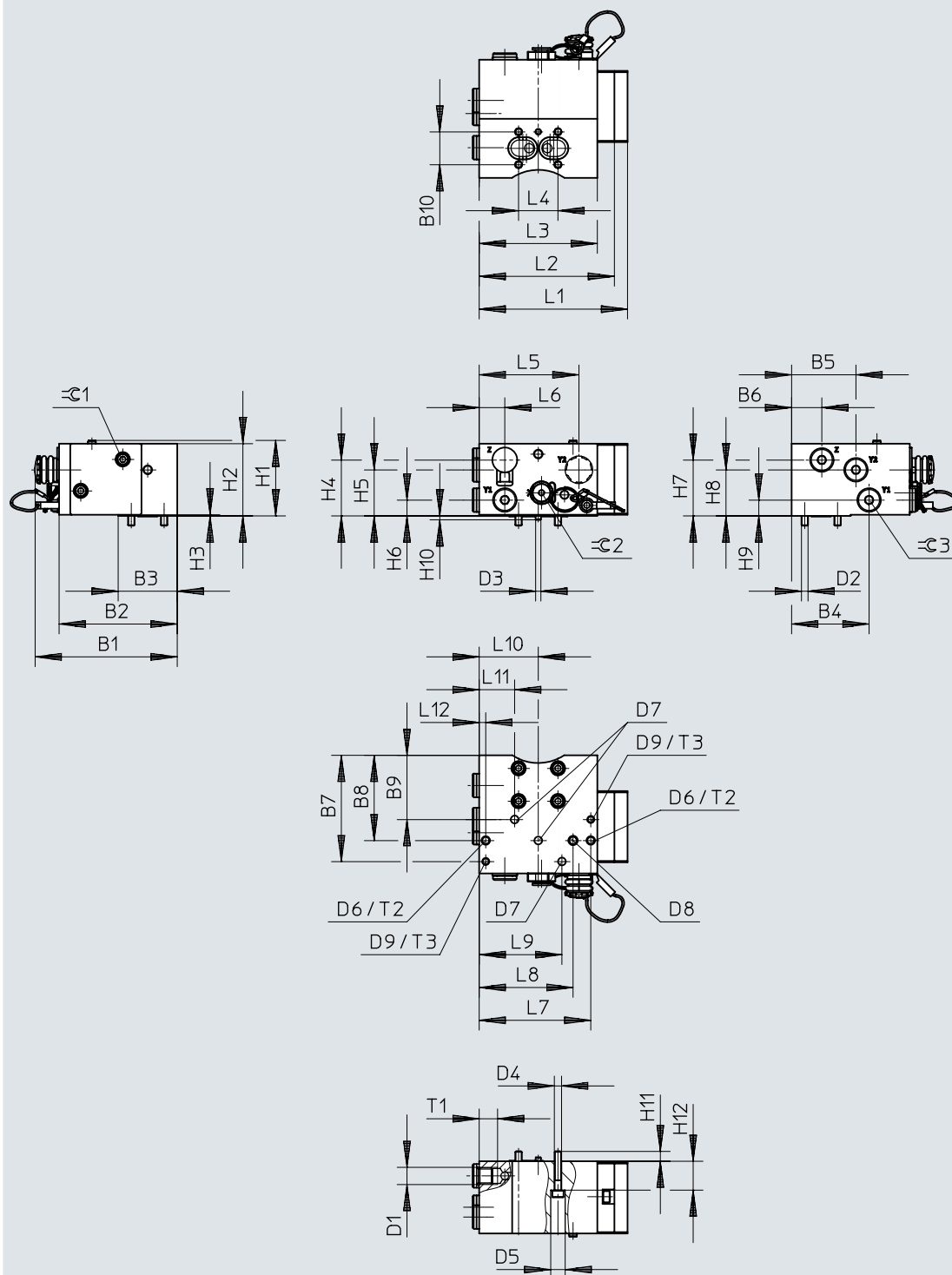
Dimensions – Reducing sleeve DARQ

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	E1 +0,1/-0,3	E2 +0,3/-0,1	L1 ±0,2	$\varnothing 1$ -0,02/-0,12	$\varnothing 2$ +0,04/+0,18
DARQ-R-A-S11-S8-...	14	11	12	11	8
DARQ-R-A-S11-S9-...	14	12,3	11	11	9
DARQ-R-A-S14-S8-...	18	11	16	14	8
DARQ-R-A-S14-S9-...	18	12,3	16	14	9
DARQ-R-A-S14-S10-...	18	13,3	16	14	10
DARQ-R-A-S14-S11-...	18	14,3	16	14	11
DARQ-R-A-S14-S12-...	18	16,3	16	14	12
DARQ-R-A-S17-S8-...	22	11	17	17	8
DARQ-R-A-S17-S11-...	22	14,3	17	17	11
DARQ-R-A-S17-S12-...	22	16,3	17	17	12
DARQ-R-A-S17-S14-...	22	18,3	17	17	14
DARQ-R-A-S22-S11-...	28	14,3	22	22	11
DARQ-R-A-S22-S14-...	28	18,3	22	22	14
DARQ-R-A-S22-S16-...	28	21,3	22	22	16
DARQ-R-A-S22-S17-...	28	22,3	22	22	17
DARQ-R-A-S27-S17-...	36	22,3	27	27	17
DARQ-R-A-S27-S22-...	36	28,5	27	27	22
DARQ-R-A-S36-S27-...	48	36,1	36	36	27
DARQ-R-A-S46-S36-...	59	48	46	46	36

Dimensions

Dimensions – Control plate DADG-FM-F9-VDE2

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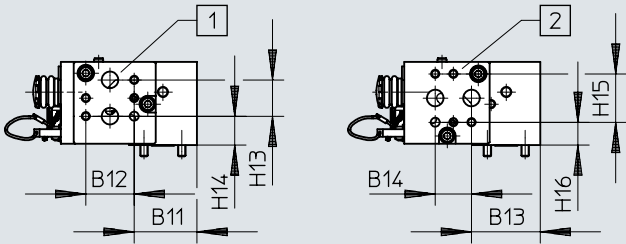
Dimensions

	B1 max.	B2	B3	B4	B5	B6	B7	B8	B9	B10	D1	D2
DADG-FM-F9-VDE2	115	90	45	59	49	23	81	65	49	25	G1/4	M5
	D3 Ø m6	D4 Ø	D5 Ø	D6	D7 Ø	D8 Ø m6	D9	H1	H2	H3	H4	H5
DADG-FM-F9-VDE2	4	11	5,5	M6	6	6	M5	57,5	55	0,8	42,5	35
	H6	H7	H8	H9	H10	H11	H12	L1	L2	L3	L4	L5
DADG-FM-F9-VDE2	12	42,5	35	12	3	7,4	22	113	103	90	30	76
	L6	L7	L8	L9	L10	L11	T1	T2	T3	≈ 1	≈ 2	≈ 3
DADG-FM-F9-VDE2	19,5	85	71,5	63	45	27	14	10	10	9	14	9

Dimensions

Dimensions – Adapter kit DADG-FM-F9-VDE2

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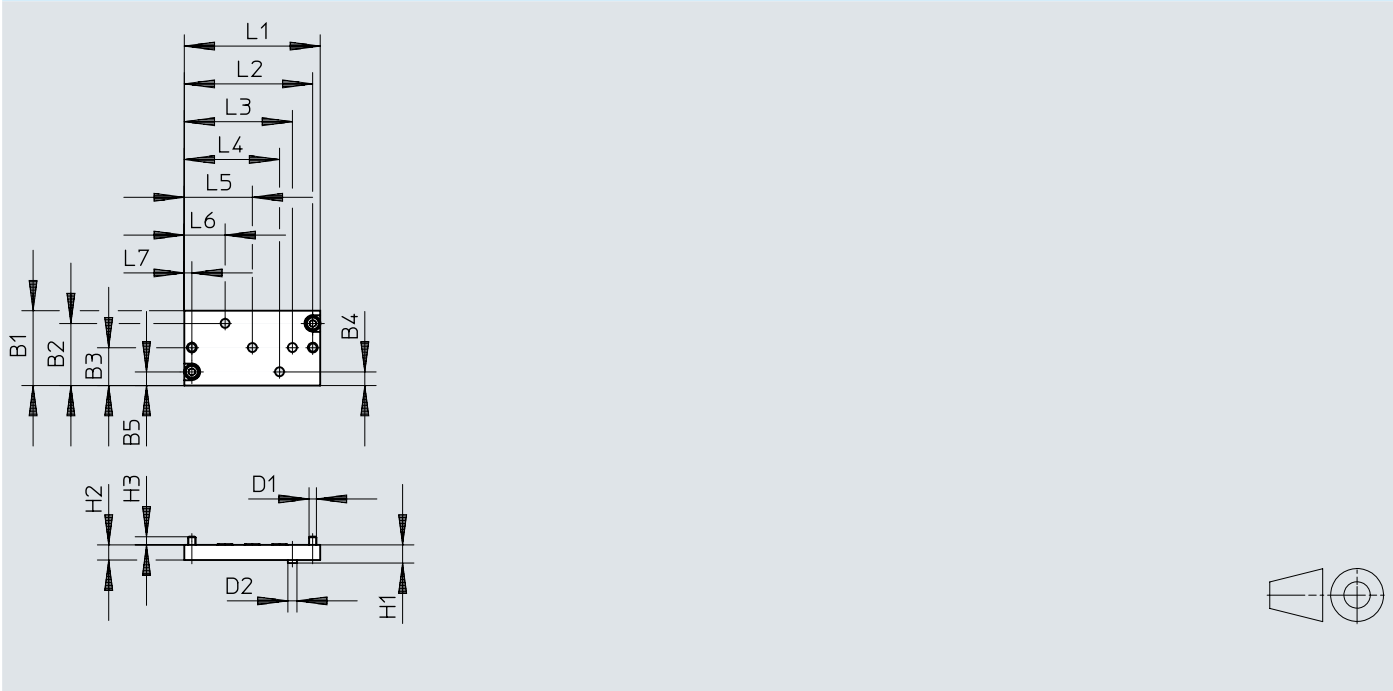


- [1] VDI/VDE 3845
- [2] VDI/VDE 3845 rotated 90°

	B11	B12	B13	B14	H13	H14	H15	H16
DADG-FM-F9-VDE2	41,5	32	45,5	24	24	19	32	14,8

Dimensions

Dimensions – Adapter kit DADG-AK-F9-1 [Download CAD data](#) www.festo.com



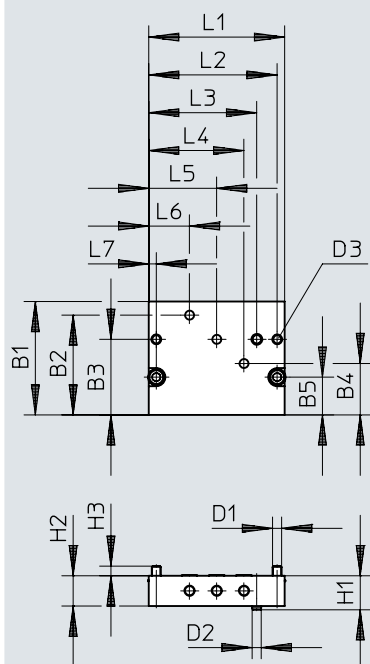
	B1	B2	B3	B4	B5	D1	D2 Ø	H1	H2
DADG-AK-F9-1	49,5	41	25	9	9	M5	6	12	10

	H3	L1	L2	L3	L4	L5	L6	L7
DADG-AK-F9-1	2	90	85	71,5	63	45	27	5

Dimensions

Dimensions – Adapter kit DADG-AK-F9-2

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	B1	B2	B3	B4	B5	D1	D2 ø m6	D3	H1
DADG-AK-F9-2	75	66	50	34	25	M6	6	M6	22,5
	H2	H3	L1	L2	L3	L4	L5	L6	L7
DADG-AK-F9-2	20	6,3	90	85	71,5	63	45	27	5

Ordering data

Quarter-turn actuators DFPD, double-acting							
	Size of valve ac- tuator	Pneumatic con- nection	Product weight	Swivel angle	Part no.	Type	
	10	G1/8	965 g	90 deg	8047613	DFPD-10-RP-90-RD-F03	
		1/8 NPT			8048010	DFPD-10-RP-90-RD-F04	
					8066400	DFPD-N-10-RP-90-RD-F03	
					8066401	DFPD-N-10-RP-90-RD-F04	
	20	G1/8	1,275 g	90 deg	8047614	DFPD-20-RP-90-RD-F04	
		1/8 NPT			8048011	DFPD-20-RP-90-RD-F05	
					8074669	DFPD-20-RP-90-RD-F03	
					8066402	DFPD-N-20-RP-90-RD-F04	
	40	G1/8	1,882 g	90 deg	8066403	DFPD-N-20-RP-90-RD-F05	
			2,419 g		120 deg	8047615	DFPD-40-RP-90-RD-F0507
			2,467 g		135 deg	8065338	DFPD-40-RP-120-RD-F0507
			2,608 g		180 deg	8065337	DFPD-40-RP-135-RD-F0507
		1/8 NPT	1,882 g	90 deg	8065336	DFPD-40-RP-180-RD-F0507	
			2,419 g	120 deg	8066404	DFPD-N-40-RP-90-RD-F0507	
			2,467 g	135 deg	8068196	DFPD-N-40-RP-120-RD-F0507	
			2,608 g	180 deg	8068195	DFPD-N-40-RP-135-RD-F0507	
		60	G1/8	2,792 g	90 deg	8068194	DFPD-N-40-RP-180-RD-F0507
			1/8 NPT	8083510		DFPD-60-RP-90-RD-F0507	
				8083516		DFPD-N-60-RP-90-RD-F0507	
				8047616		DFPD-80-RP-90-RD-F0507	
	80	G1/8	3,308 g	90 deg	8066405	DFPD-N-80-RP-90-RD-F0507	
		1/8 NPT	8048123		DFPD-120-RP-90-RD-F0507		
			6,250 g		120 deg	8065341	DFPD-120-RP-120-RD-F0507
			6,363 g		135 deg	8065340	DFPD-120-RP-135-RD-F0507
	120	G1/4	4,872 g	90 deg	8065339	DFPD-120-RP-180-RD-F0507	
			6,250 g		120 deg	8066412	DFPD-N-120-RP-90-RD-F0507
			6,363 g		135 deg	8068199	DFPD-N-120-RP-120-RD-F0507
			7,122 g		180 deg	8068198	DFPD-N-120-RP-135-RD-F0507
		1/4 NPT	4,872 g	90 deg	8068197	DFPD-N-120-RP-180-RD-F0507	
			6,250 g	120 deg	8048124	DFPD-160-RP-90-RD-F0710	
			6,363 g	135 deg	8066413	DFPD-N-160-RP-90-RD-F0710	
			7,122 g	180 deg	8048125	DFPD-240-RP-90-RD-F0710	
	160	G1/4	8,594 g	90 deg	8065344	DFPD-240-RP-120-RD-F0710	
			10,939 g		120 deg	8065343	DFPD-240-RP-135-RD-F0710
			11,139 g		135 deg	8065342	DFPD-240-RP-180-RD-F0710
			12,549 g		180 deg	8066414	DFPD-240-RP-90-RD-F0710
		1/4 NPT	8,594 g	90 deg	8068202	DFPD-N-240-RP-90-RD-F0710	
			10,939 g	120 deg	8068201	DFPD-N-240-RP-120-RD-F0710	
			11,139 g	135 deg	8068200	DFPD-N-240-RP-135-RD-F0710	
			12,549 g	180 deg	8048126	DFPD-300-RP-90-RD-F0710	
300	G1/4	11,224 g	90 deg	8066415	DFPD-N-300-RP-90-RD-F0710		
	1/4 NPT	8048127		DFPD-480-RP-90-RD-F1012			
480	G1/4	16,025 g	90 deg	8065347	DFPD-480-RP-90-RD-F1012		
		20,653 g		120 deg	8065346	DFPD-480-RP-120-RD-F1012	
		21,013 g		135 deg	8065345	DFPD-480-RP-135-RD-F1012	
		23,456 g		180 deg	8066416	DFPD-480-RP-180-RD-F1012	
	1/4 NPT	16,025 g	90 deg	8068205	DFPD-N-480-RP-90-RD-F1012		
		20,653 g	120 deg	8068204	DFPD-N-480-RP-120-RD-F1012		
		21,013 g	135 deg	8068203	DFPD-N-480-RP-135-RD-F1012		
		23,456 g	180 deg	8065261	DFPD-N-480-RP-180-RD-F1012		
700	G1/4	22,464 g	90 deg	8068928	DFPD-700-RP-90-RD-F1012		
	1/4 NPT	8065265		DFPD-900-RP-90-RD-F14			
900	G1/4	25,574 g	90 deg	8068932	DFPD-N-900-RP-90-RD-F14		
	1/4 NPT	8065269		DFPD-1200-RP-90-RD-F14			
1,200	G1/4	35,834 g	90 deg	8068936	DFPD-N-1200-RP-90-RD-F14		
	1/4 NPT	8065273		DFPD-2300-RP-90-RD-F1216			
2,300	G1/4	64,900 g	90 deg				

Ordering data

Quarter-turn actuators DFPD, double-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	2,300	1/4 NPT	64,900 g	90 deg	8068940	DFPD-N-2300-RP-90-RD-F1216
	3,500	G1/2	75,500 g		8211834	DFPD-3500-RP-90-RD-F16
			92,000 g		8211838	DFPD-3500-SY-Y-90-RD-F16
	4,500		109,000 g		8211839	DFPD-4500-RP-90-RD-F16
	6,500		139,000 g		8211837	DFPD-4500-SY-Y-90-RD-F1625
			129,000 g		8211836	DFPD-6500-SY-Y-90-RD-F1625
	9,500	G3/4	153,000 g		8211835	DFPD-9500-SY-Y-90-RD-F1625

Quarter turn actuators DFPD, double-acting, epoxy-coated						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	10	G1/8	965 g	90 deg	8048012	DFPD-10-RP-90-RD-F04-R3-EP
		1/8 NPT			8047617	DFPD-10-RP-90-RD-F03-R3-EP
					8066406	DFPD-N-10-RP-90-RD-F03-R3-EP
					8066407	DFPD-N-10-RP-90-RD-F04-R3-EP
	20	G1/8	1,275 g		8048013	DFPD-20-RP-90-RD-F05-R3-EP
		1/8 NPT			8047618	DFPD-20-RP-90-RD-F04-R3-EP
					8066408	DFPD-N-20-RP-90-RD-F04-R3-EP
					8066409	DFPD-N-20-RP-90-RD-F05-R3-EP
	40	G1/8	1,882 g		8047619	DFPD-40-RP-90-RD-F0507-R3-EP
		1/8 NPT			8066410	DFPD-N-40-RP-90-RD-F0507-R3-EP
					8066429	DFPD-N-40-RP-90-RS30-F0507
					8083511	DFPD-60-RP-90-RD-F0507-R3-EP
	60	G1/8	2,792 g		8047620	DFPD-80-RP-90-RD-F0507-R3-EP
	80	1/8 NPT	3,308 g		8066411	DFPD-N-80-RP-90-RD-F0507-R3-EP
					8048128	DFPD-120-RP-90-RD-F0507-R3-EP
	120	G1/4	4,872 g		8066417	DFPD-N-120-RP-90-RD-F0507-R3-EP
		1/4 NPT			8048129	DFPD-160-RP-90-RD-F0710-R3-EP
	160	G1/4	6,082 g		8066418	DFPD-N-160-RP-90-RD-F0710-R3-EP
		1/4 NPT			8048130	DFPD-240-RP-90-RD-F0710-R3-EP
	240	G1/4	8,594 g		8066419	DFPD-N-240-RP-90-RD-F0710-R3-EP
		1/4 NPT			8048131	DFPD-300-RP-90-RD-F0710-R3-EP
	300	G1/4	11,224 g		8066420	DFPD-N-300-RP-90-RD-F0710-R3-EP
		1/4 NPT			8048132	DFPD-480-RP-90-RD-F1012-R3-EP
	480	G1/4	16,025 g		8066421	DFPD-N-480-RP-90-RD-F1012-R3-EP
		1/4 NPT			8065263	DFPD-700-RP-90-RD-F1012-R3-EP
	700	G1/4	22,464 g		8068930	DFPD-N-700-RP-90-RD-F1012-R3-EP
		1/4 NPT			8065267	DFPD-900-RP-90-RD-F14-R3-EP
	900	G1/4	25,574 g		8068934	DFPD-N-900-RP-90-RD-F14-R3-EP
		1/4 NPT			8065271	DFPD-1200-RP-90-RD-F14-R3-EP
	1,200	G1/4	35,834 g		8068938	DFPD-N-1200-RP-90-RD-F14-R3-EP
		1/4 NPT			8065275	DFPD-2300-RP-90-RD-F1216-R3-EP
	2,300	G1/4	64,900 g		8068942	DFPD-N-2300-RP-90-RD-F1216-R3-EP
1/4 NPT						

Quarter turn actuators DFPD, single-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	20	G1/8	1,371 g	90 deg	8047621	DFPD-20-RP-90-RS30-F04
			1,411 g		8047644	DFPD-20-RP-90-RS30-F03
					8048014	DFPD-20-RP-90-RS30-F05
					8071603	DFPD-20-RP-90-RS55-F03
			1,419 g		8047622	DFPD-20-RP-90-RS60-F04
					8048015	DFPD-20-RP-90-RS60-F05
		8047645	DFPD-20-RP-90-RS60-F03			
		1/8 NPT	1,371 g		8066424	DFPD-N-20-RP-90-RS30-F05

Ordering data

Quarter turn actuators DFPD, single-acting								
	Size of valve ac- tuator	Pneumatic con- nection	Product weight	Swivel angle	Part no.	Type		
	20	1/8 NPT	1,371 g	90 deg	8066423	DFPD-N-20-RP-90-RS30-F04		
			1,419 g		8066422	DFPD-N-20-RP-90-RS30-F03		
					8066425	DFPD-N-20-RP-90-RS60-F03		
					8066426	DFPD-N-20-RP-90-RS60-F04		
					8066427	DFPD-N-20-RP-90-RS60-F05		
	40	G1/8	2,087 g		8047623	DFPD-40-RP-90-RS30-F0507		
			2,165 g		8047635	DFPD-40-RP-90-RS30-F04		
					8071605	DFPD-40-RP-90-RS55-F04		
					8071604	DFPD-40-RP-90-RS55-F0507		
					8047636	DFPD-40-RP-90-RS60-F04		
		1/8 NPT	2,087 g		8066428	DFPD-N-40-RP-90-RS30-F04		
			2,180 g		8066430	DFPD-N-40-RP-90-RS60-F04		
					8066431	DFPD-N-40-RP-90-RS60-F0507		
					8083512	DFPD-60-RP-90-RS30-F0507		
					8083514	DFPD-60-RP-90-RS60-F0507		
	60	G1/8	3,100 g		8083508	DFPD-60-RP-90-RS60-F04-11		
			3,262 g		8083520	DFPD-N-60-RP-90-RS60-F04-11		
					8047625	DFPD-80-RP-90-RS30-F0507		
		8071607			DFPD-80-RP-90-RS55-F0507			
		80			G1/8	3,924 g	8047626	DFPD-80-RP-90-RS60-F0507
	3,960 g		8066432			DFPD-N-80-RP-90-RS30-F0507		
	1/8 NPT		3,746 g			8066433	DFPD-N-80-RP-90-RS60-F0507	
			120		G1/4	5,422 g	8048133	DFPD-120-RP-90-RS30-F0507
						5,684 g	8071608	DFPD-120-RP-90-RS55-F0507
	5,736 g	8048144				DFPD-120-RP-90-RS60-F0507-R3-EP		
	1/4 NPT	8048134			DFPD-120-RP-90-RS60-F0507			
		8066446			DFPD-N-120-RP-90-RS30-F0507			
		8066447			DFPD-N-120-RP-90-RS60-F0507			
		8048135			DFPD-160-RP-90-RS30-F0710			
	160	G1/4	6,767 g		8048145	DFPD-160-RP-90-RS30-F0710-R3-EP		
			7,179 g		8048136	DFPD-160-RP-90-RS60-F0710		
			6,767 g		8066448	DFPD-N-160-RP-90-RS30-F0710		
		1/4 NPT	7,179 g		8066449	DFPD-N-160-RP-90-RS60-F0710		
			240		G1/4	9,442 g	8048137	DFPD-240-RP-90-RS30-F0710
	10,036 g					8048138	DFPD-240-RP-90-RS60-F0710	
	9,442 g	8066450				DFPD-N-240-RP-90-RS30-F0710		
	1/4 NPT	10,036 g			8066451	DFPD-N-240-RP-90-RS60-F0710		
		300			G1/4	12,052 g	8048139	DFPD-300-RP-90-RS30-F0710
			12,880 g			8048140	DFPD-300-RP-90-RS60-F0710	
	12,052 g		8066452			DFPD-N-300-RP-90-RS30-F0710		
	1/4 NPT		12,880 g		8066453	DFPD-N-300-RP-90-RS60-F0710		
			480		G1/4	17,261 g	8048141	DFPD-480-RP-90-RS30-F1012
		18,485 g				8048142	DFPD-480-RP-90-RS60-F1012	
	17,261 g	8066454				DFPD-N-480-RP-90-RS30-F1012		
	1/4 NPT	18,485 g			8066455	DFPD-N-480-RP-90-RS60-F1012		
		700			G1/4	26,268 g	8065262	DFPD-700-RP-90-RS60-F1012
			1/4 NPT			8068929	DFPD-N-700-RP-90-RS60-F1012	
	900		G1/4		30,395 g	8084135	DFPD-900-RP-90-RS60-F1012	
		8065266				DFPD-900-RP-90-RS60-F14		
		8084139				DFPD-N-900-RP-90-RS60-F1012		
		8068933	DFPD-N-900-RP-90-RS60-F14					
		1,200	G1/4			35,834 g	8065269	DFPD-1200-RP-90-RD-F14
	43,022 g				8084143	DFPD-1200-RP-90-RS60-F1012		
					8065270	DFPD-1200-RP-90-RS60-F14		
			8084147		DFPD-N-1200-RP-90-RS60-F1012			
			1/4 NPT		8068937	DFPD-N-1200-RP-90-RS60-F14		

Ordering data

Quarter turn actuators DFPD, single-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	2,300	G1/4	77,884 g	90 deg	8065274	DFPD-2300-RP-90-RS60-F1216
		1/4 NPT			8068941	DFPD-N-2300-RP-90-RS60-F1216

Quarter turn actuators DFPD, single-acting, epoxy-coated								
	Size of valve ac- tuator	Pneumatic con- nection	Product weight	Swivel angle	Part no.	Type		
	20	G1/8	1,371 g	90 deg	8047646	DFPD-20-RP-90-RS30-F03-R3-EP		
					8047627	DFPD-20-RP-90-RS30-F04-R3-EP		
					8048016	DFPD-20-RP-90-RS30-F05-R3-EP		
					8047628	DFPD-20-RP-90-RS60-F04-R3-EP		
					8048017	DFPD-20-RP-90-RS60-F05-R3-EP		
					8047647	DFPD-20-RP-90-RS60-F03-R3-EP		
			1/8 NPT		1,419 g	8066435	DFPD-N-20-RP-90-RS30-F04-R3-EP	
					8066436	DFPD-N-20-RP-90-RS30-F05-R3-EP		
					8066434	DFPD-N-20-RP-90-RS30-F03-R3-EP		
					8066437	DFPD-N-20-RP-90-RS60-F03-R3-EP		
					8066439	DFPD-N-20-RP-90-RS60-F05-R3-EP		
					8066438	DFPD-N-20-RP-90-RS60-F04-R3-EP		
		40	G1/8		2,087 g	8047642	DFPD-40-RP-90-RS30-F04-R3-EP	
						8047629	DFPD-40-RP-90-RS30-F0507-R3-EP	
						8047630	DFPD-40-RP-90-RS60-F0507-R3-EP	
						8047643	DFPD-40-RP-90-RS60-F04-R3-EP	
						8066429	DFPD-N-40-RP-90-RS30-F0507	
						8066441	DFPD-N-40-RP-90-RS30-F0507-R3-EP	
					1/8 NPT	2,087 g	8066440	DFPD-N-40-RP-90-RS30-F04-R3-EP
						8066442	DFPD-N-40-RP-90-RS60-F04-R3-EP	
						8066443	DFPD-N-40-RP-90-RS60-F0507-R3-EP	
			8083515			DFPD-60-RP-90-RS60-F0507-R3-EP		
			8047631			DFPD-80-RP-90-RS30-F0507-R3-EP		
			8047632			DFPD-80-RP-90-RS60-F0507-R3-EP		
	60		G1/8			3,262 g	8066444	DFPD-N-80-RP-90-RS30-F0507-R3-EP
							8066445	DFPD-N-80-RP-90-RS60-F0507-R3-EP
							8048143	DFPD-120-RP-90-RS30-F0507-R3-EP
		80	1/8 NPT		3,746 g	8048144	DFPD-120-RP-90-RS60-F0507-R3-EP	
					3,960 g	8066456	DFPD-N-120-RP-90-RS30-F0507-R3-EP	
					3,960 g	8066457	DFPD-N-120-RP-90-RS60-F0507-R3-EP	
	120	G1/4	5,422 g		8048145	DFPD-160-RP-90-RS30-F0710-R3-EP		
			5,736 g		8048146	DFPD-160-RP-90-RS60-F0710-R3-EP		
			5,422 g		8066458	DFPD-N-160-RP-90-RS30-F0710-R3-EP		
		1/4 NPT	5,422 g		8066459	DFPD-N-160-RP-90-RS60-F0710-R3-EP		
			5,736 g		8048147	DFPD-240-RP-90-RS30-F0710-R3-EP		
					8048148	DFPD-240-RP-90-RS60-F0710-R3-EP		
	160	G1/4	6,767 g		8066460	DFPD-N-240-RP-90-RS30-F0710-R3-EP		
			7,179 g		8066461	DFPD-N-240-RP-90-RS60-F0710-R3-EP		
			6,767 g		8048149	DFPD-300-RP-90-RS30-F0710-R3-EP		
		1/4 NPT	7,179 g		8048150	DFPD-300-RP-90-RS60-F0710-R3-EP		
					8066462	DFPD-N-300-RP-90-RS30-F0710-R3-EP		
					8066463	DFPD-N-300-RP-90-RS60-F0710-R3-EP		
	240	G1/4	9,442 g		8048151	DFPD-480-RP-90-RS30-F1012-R3-EP		
			10,036 g		8048152	DFPD-480-RP-90-RS60-F1012-R3-EP		
			9,442 g		8066464	DFPD-N-480-RP-90-RS30-F1012-R3-EP		
		1/4 NPT	9,442 g		8066465	DFPD-N-480-RP-90-RS60-F1012-R3-EP		
			10,036 g					
300	G1/4	12,052 g						
		12,880 g						
		12,052 g						
	1/4 NPT	12,880 g						
480	G1/4	17,261 g						
		18,485 g						
		17,261 g						
	1/4 NPT	18,485 g						
700	G1/4	26,268 g		8065264	DFPD-700-RP-90-RS60-F1012-R3-EP			

Ordering data

Quarter turn actuators DFPD, single-acting, epoxy-coated						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	700	1/4 NPT	26,268 g	90 deg	8068931	DFPD-N-700-RP-90-RS60-F1012-R3-EP
	900	G1/4	30,395 g		8084137	DFPD-900-RP-90-RS60-F1012-R3-EP
		1/4 NPT			8065268	DFPD-900-RP-90-RS60-F14-R3-EP
					8084141	DFPD-N-900-RP-90-RS60-F1012-R3-EP
		8068935			DFPD-N-900-RP-90-RS60-F14-R3-EP	
	1,200	G1/4	43,022 g		8084145	DFPD-1200-RP-90-RS60-F1012-R3-EP
		1/4 NPT			8065272	DFPD-1200-RP-90-RS60-F14-R3-EP
					8084149	DFPD-N-1200-RP-90-RS60-F1012-R3-EP
					8068939	DFPD-N-1200-RP-90-RS60-F14-R3-EP
	2,300	G1/4	77,884 g		8065276	DFPD-2300-RP-90-RS60-F1216-R3-EP
1/4 NPT		8068943		DFPD-N-2300-RP-90-RS60-F1216-R3-EP		

Quarter turn actuators DFPD-C, single-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	20	G1/8	1,383 g	90 deg	8102797	DFPD-20-RP-90-RS35-F05-R3-C
			1,399 g		8102796	DFPD-20-RP-90-RS45-F05-R3-C
			1,423 g		8102798	DFPD-20-RP-90-RS60-F05-R3-C
		1/8 NPT	1,383 g		8102799	DFPD-N-20-RP-90-RS35-F05-R3-C
			1,399 g		8102800	DFPD-N-20-RP-90-RS45-F05-R3-C
			1,423 g		8102801	DFPD-N-20-RP-90-RS60-F05-R3-C
	40	G1/8	2,108 g		8102802	DFPD-40-RP-90-RS35-F05-R3-C
			2,139 g		8102803	DFPD-40-RP-90-RS45-F05-R3-C
			2,180 g		8047624	DFPD-40-RP-90-RS60-F0507
			2,185 g		8102804	DFPD-40-RP-90-RS60-F05-R3-C
		1/8 NPT	2,108 g		8102805	DFPD-N-40-RP-90-RS35-F05-R3-C
			2,139 g		8102806	DFPD-N-40-RP-90-RS45-F05-R3-C
			2,185 g		8102807	DFPD-N-40-RP-90-RS60-F05-R3-C
		G1/8	3,785 g		8102815	DFPD-80-RP-90-RS35-F07-R3-C-VDE2
			3,792 g		8102809	DFPD-80-RP-90-RS35-F07-R3-C
			3,856 g		8102816	DFPD-80-RP-90-RS45-F07-R3-C-VDE2
			3,863 g		8102810	DFPD-80-RP-90-RS45-F07-R3-C
			3,963 g		8102817	DFPD-80-RP-90-RS60-F07-R3-C-VDE2
			3,970 g		8102811	DFPD-80-RP-90-RS60-F07-R3-C
		1/8 NPT	3,792 g		8102812	DFPD-N-80-RP-90-RS35-F07-R3-C
			3,863 g		8102813	DFPD-N-80-RP-90-RS45-F07-R3-C
			3,970 g		8102814	DFPD-N-80-RP-90-RS60-F07-R3-C
	120	G1/4	5,476 g		8102824	DFPD-120-RP-90-RS35-F07-R3-C-VDE2
			5,485 g		8102818	DFPD-120-RP-90-RS35-F07-R3-C
			5,581 g		8102825	DFPD-120-RP-90-RS45-F07-R3-C-VDE2
			5,590 g		8102819	DFPD-120-RP-90-RS45-F07-R3-C
			5,738 g		8102826	DFPD-120-RP-90-RS60-F07-R3-C-VDE2
			5,747 g		8102820	DFPD-120-RP-90-RS60-F07-R3-C
		1/4 NPT	5,485 g		8102821	DFPD-N-120-RP-90-RS35-F07-R3-C
			5,590 g		8102822	DFPD-N-120-RP-90-RS45-F07-R3-C
			5,747 g		8102823	DFPD-N-120-RP-90-RS60-F07-R3-C
	160	G1/4	6,853 g		8102838	DFPD-160-RP-90-RS35-F07-R3-C-VDE2
			6,863 g		8144441	DFPD-160-RP-90-RS35-F07-17-R3-C-VDE2
			6,990 g		8144435	DFPD-160-RP-90-RS35-F07-17-R3-C
			7,000 g		8102832	DFPD-160-RP-90-RS35-F07-R3-C
			7,196 g		8144442	DFPD-160-RP-90-RS45-F07-17-R3-C-VDE2
					8102839	DFPD-160-RP-90-RS45-F07-R3-C-VDE2
					8102833	DFPD-160-RP-90-RS45-F07-R3-C
					8144436	DFPD-160-RP-90-RS45-F07-17-R3-C
					8102840	DFPD-160-RP-90-RS60-F07-R3-C-VDE2
					8144443	DFPD-160-RP-90-RS60-F07-17-R3-C-VDE2

Ordering data

Quarter turn actuators DFPD-C, single-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	160	G1/4	7,206 g	90 deg	8144437	DFPD-160-RP-90-RS60-F07-17-R3-C
					8102834	DFPD-160-RP-90-RS60-F07-R3-C
		1/4 NPT	6,863 g		8144438	DFPD-N-160-RP-90-RS35-F07-17-R3-C
					8102835	DFPD-N-160-RP-90-RS35-F07-R3-C
			7,000 g		8144439	DFPD-N-160-RP-90-RS45-F07-17-R3-C
					8102836	DFPD-N-160-RP-90-RS45-F07-R3-C
			7,206 g		8102837	DFPD-N-160-RP-90-RS60-F07-R3-C
					8144440	DFPD-N-160-RP-90-RS60-F07-17-R3-C
	240	G1/4	9,539 g		8102848	DFPD-240-RP-90-RS35-F10-R3-CVDE2
			9,558 g		8102842	DFPD-240-RP-90-RS35-F10-R3-C
			9,737 g		8102849	DFPD-240-RP-90-RS45-F10-R3-CVDE2
			9,756 g		8102843	DFPD-240-RP-90-RS45-F10-R3-C
			10,034 g		8102850	DFPD-240-RP-90-RS60-F10-R3-CVDE2
			10,053 g		8102844	DFPD-240-RP-90-RS60-F10-R3-C
		1/4 NPT	9,558 g		8102845	DFPD-N-240-RP-90-RS35-F10-R3-C
			9,756 g		8102846	DFPD-N-240-RP-90-RS45-F10-R3-C
			10,053 g		8102847	DFPD-N-240-RP-90-RS60-F10-R3-C
					8102857	DFPD-300-RP-90-RS35-F10-R3-CVDE2
	300	G1/4	12,187 g		8102851	DFPD-300-RP-90-RS35-F10-R3-C
			12,209 g		8102858	DFPD-300-RP-90-RS45-F10-R3-CVDE2
			12,463 g		8102852	DFPD-300-RP-90-RS45-F10-R3-C
			12,485 g		8102859	DFPD-300-RP-90-RS60-F10-R3-CVDE2
			12,877 g		8102853	DFPD-300-RP-90-RS60-F10-R3-C
			12,899 g		8102854	DFPD-N-300-RP-90-RS35-F10-R3-C
		1/4 NPT	12,209 g		8102855	DFPD-N-300-RP-90-RS45-F10-R3-C
			12,485 g		8102856	DFPD-N-300-RP-90-RS60-F10-R3-C
			12,899 g		8102860	DFPD-480-RP-90-RS35-F12-R3-C
					8102866	DFPD-480-RP-90-RS35-F12-R3-CVDE2
	480	G1/4	17,498 g		8102867	DFPD-480-RP-90-RS45-F12-R3-CVDE2
			17,848 g		8102861	DFPD-480-RP-90-RS45-F12-R3-C
			17,892 g		8102868	DFPD-480-RP-90-RS60-F12-R3-CVDE2
			17,906 g		8102862	DFPD-480-RP-90-RS60-F12-R3-C
			18,504 g		8102863	DFPD-N-480-RP-90-RS35-F12-R3-C
			18,518 g		8102864	DFPD-N-480-RP-90-RS45-F12-R3-C
		1/4 NPT	17,498 g		8102865	DFPD-N-480-RP-90-RS60-F12-R3-C
			17,906 g		8102885	DFPD-700-RP-90-RS35-F12-R3-CVDE2
			18,518 g		8102879	DFPD-700-RP-90-RS35-F12-R3-C
					8102886	DFPD-700-RP-90-RS45-F12-R3-CVDE2
	700	G1/4	24,708 g		8102880	DFPD-700-RP-90-RS45-F12-R3-C
			24,723 g		8102887	DFPD-700-RP-90-RS60-F12-R3-CVDE2
			25,342 g		8102881	DFPD-700-RP-90-RS60-F12-R3-C
			25,357 g		8102882	DFPD-N-700-RP-90-RS35-F12-R3-C
			26,293 g		8102883	DFPD-N-700-RP-90-RS45-F12-R3-C
			26,308 g		8102884	DFPD-N-700-RP-90-RS60-F12-R3-C
		1/4 NPT	24,723 g		8102894	DFPD-900-RP-90-RS35-F14-R3-CVDE2
			25,357 g		8102888	DFPD-900-RP-90-RS35-F14-R3-C
			26,308 g		8102895	DFPD-900-RP-90-RS45-F14-R3-CVDE2
					8102889	DFPD-900-RP-90-RS45-F14-R3-C
	900	G1/4	28,184 g		8102896	DFPD-900-RP-90-RS60-F14-R3-CVDE2
			28,395 g		8102890	DFPD-900-RP-90-RS60-F14-R3-C
			28,988 g		8102891	DFPD-N-900-RP-90-RS35-F14-R3-C
			29,199 g		8102892	DFPD-N-900-RP-90-RS45-F14-R3-C
			30,194 g		8102893	DFPD-N-900-RP-90-RS60-F14-R3-C
			30,405 g		8102903	DFPD-1200-RP-90-RS35-F14-R3-CVDE2
		1/4 NPT	28,395 g		8102897	DFPD-1200-RP-90-RS35-F14-R3-C
			29,199 g		8102904	DFPD-1200-RP-90-RS45-F14-R3-CVDE2
			30,405 g			
	1,200	G1/4	40,042 g			
			40,067 g			
			41,240 g			

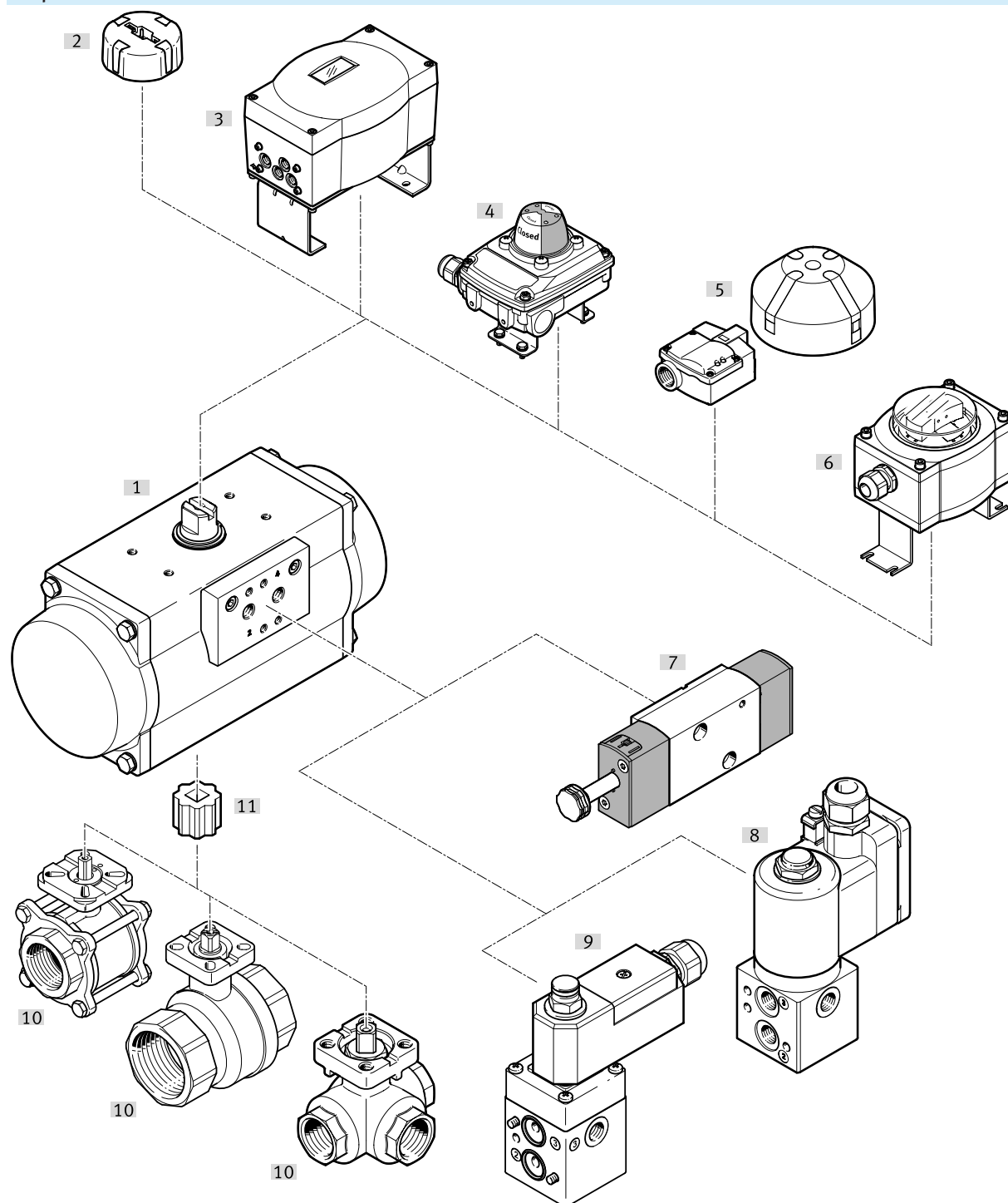
Ordering data

Quarter turn actuators DFPD-C, single-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	1,200	G1/4	41,240 g	90 deg	8102898	DFPD-1200-RP-90-RS45-F14-R3-C
			43,037 g		8102905	DFPD-1200-RP-90-RS60-F14-R3-C-VDE2
			43,062 g		8102899	DFPD-1200-RP-90-RS60-F14-R3-C
		1/4 NPT	40,067 g		8102900	DFPD-N-1200-RP-90-RS35-F14-R3-C
			41,240 g		8102901	DFPD-N-1200-RP-90-RS45-F14-R3-C
			43,062 g		8102902	DFPD-N-1200-RP-90-RS60-F14-R3-C
	2,300	G1/4	72,531 g		8102911	DFPD-2300-RP-90-RS35-F16-R3-C-VDE2
			72,562 g		8102908	DFPD-2300-RP-90-RS35-F16-R3-C
			74,695 g		8102912	DFPD-2300-RP-90-RS45-F16-R3-C-VDE2
			74,726 g		8102909	DFPD-2300-RP-90-RS45-F16-R3-C
			77,941 g		8102913	DFPD-2300-RP-90-RS60-F16-R3-C-VDE2
			77,972 g		8102910	DFPD-2300-RP-90-RS60-F16-R3-C
		G1/2	72,531 g		8145415	DFPD-2300-RP-90-RS35-F16-X-R3-C-VDE2
			72,562 g		8145412	DFPD-2300-RP-90-RS35-F16-X-R3-C
			74,695 g		8145416	DFPD-2300-RP-90-RS45-F16-X-R3-C-VDE2
			74,726 g		8145413	DFPD-2300-RP-90-RS45-F16-X-R3-C
			77,941 g		8145417	DFPD-2300-RP-90-RS60-F16-X-R3-C-VDE2
			77,972 g		8145414	DFPD-2300-RP-90-RS60-F16-X-R3-C
		1/4 NPT	72,562 g		8102914	DFPD-N-2300-RP-90-RS35-F16-R3-C
			74,726 g		8102915	DFPD-N-2300-RP-90-RS45-F16-R3-C
			77,972 g		8102916	DFPD-N-2300-RP-90-RS60-F16-R3-C
		1/2 NPT	72,562 g		8145418	DFPD-N-2300-RP-90-RS35-F16-X-R3-C
			74,726 g		8145419	DFPD-N-2300-RP-90-RS45-F16-X-R3-C
			77,972 g		8145420	DFPD-N-2300-RP-90-RS60-F16-X-R3-C

Ordering information – Modular product system				
Size of valve actuator	Swivel angle	Product weight	Part no.	Type
10	90 deg	965 ... 970 g	8042184	DFPD-10-
20		1,355 ... 1423 g	8042185	DFPD-20-
40	90 ... 180 deg	1,882 ... 2608 g	8042186	DFPD-40-
60	90 deg	2,793 ... 3267 g	4930238	DFPD-60-
80		3,308 ... 3970 g	8042187	DFPD-80-
120	90 ... 180 deg	4,872 ... 7122 g	8042188	DFPD-120-
160	90 deg	6,082 ... 7206 g	8042189	DFPD-160-
240	90 ... 180 deg	7,611 ... 12549 g	8042190	DFPD-240-
300	90 deg	11,224 ... 12899 g	8042191	DFPD-300-
480	90 ... 180 deg	16,025 ... 23456 g	8042192	DFPD-480-
700	90 deg	22,464 ... 26308 g	8042193	DFPD-700-
900		25,574 ... 30405 g	8042194	DFPD-900-
1,200		35,834 ... 43062 g	8042195	DFPD-1200-
2,300		64,900 ... 77972 g	8042196	DFPD-2300-
3,500		75,500 ... 174000 g	8042197	DFPD-3500-...
4,500		109,000 ... 228000 g	8042198	DFPD-4500-...
6,500		129,000 ... 228000 g	8042199	DFPD-6500-...
9,500		153,000 ... 290000 g	8042200	DFPD-9500-...

Peripherals

Peripherals overview



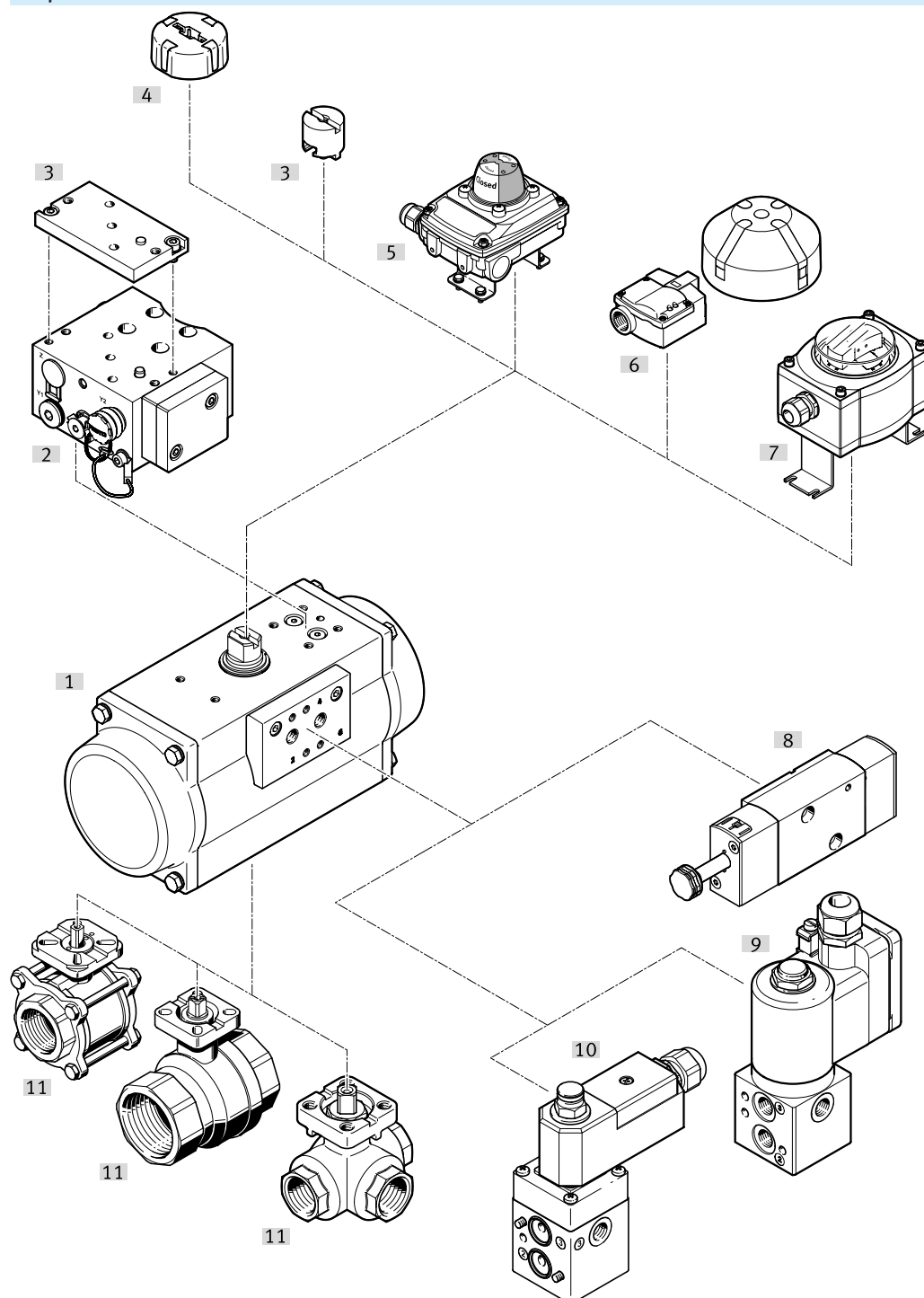
Accessories		→ Link
Type/order code	Description	
[1] Quarter turn actuator DFPD	-	dfpd
[2] Position indicator SASF	Position indication	53
[3] Positioner CMXS	For position control of semi-rotary drives in process systems	51
[4] Sensor box SRBC	For electrical feedback and position monitoring of process valves actuated using quarter turn actuators	51
[5] Sensor box SRBG	For electrical feedback and position monitoring of process valves actuated using quarter turn actuators	51
[6] Sensor box SRAP	Analogue sensor box continuously detects the entire swivel range and reports this back to the controller	51
[7] Solenoid valve VSNC	For single-acting and double-acting semi-rotary drives with plug pattern VDI/VDE 3845	51
[8] Solenoid valve VOFD	Solenoid valve with solenoid coil, connection pattern Namur	51
[9] Solenoid valve VOFC	Solenoid valve with solenoid coil, plug pattern Namur	52

Peripherals

Accessories		→ Link
Type/order code	Description	
[10] Ball valve VAPB, VZBA	2-way brass or stainless steel corrosion-resistant, 3-way stainless steel corrosion-resistant	vapb
[10] Ball valve VZBA	3-way ball valve for the trouble-free control of aggressive media or gases in piping systems.	vzba
[11] Reducing sleeve DARQ	With female square and external octagon for mounting VAPB, VZBA	52

Peripherals

Peripherals overview DFPD-C

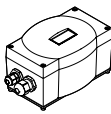


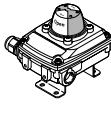
Accessories		→ Link
Type/order code	Description	
[1] Semi-rotary drive DFPD-C	-	dfpd-c
[2] Control plate DADG	For sizes 80 to 2300	53
[3] Adapter kit DADG	The VDI/VDE 3847-2 interface is increased by 10 mm	53
[4] Position indicator SASF		53
[5] Limit switch box SRBC	For electrical feedback and position monitoring of process valves actuated by quarter turn actuators	51
[6] Limit switch box SRBG	For electrical feedback and position monitoring of process valves actuated by quarter turn actuators	51
[7] Limit switch box SRAP	Analogue sensor box continuously detects the entire swivel range and reports this back to the controller	51
[8] Solenoid valve VSNC	For single- and double-acting quarter turn actuators with connection pattern VDI/VDE 3845	51
[9] Solenoid valve VOVD	Solenoid valve with solenoid coil, NAMUR connection pattern	52

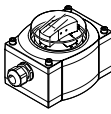
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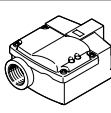
Accessories		→ Link
Type/order code	Description	
[10] Solenoid valve VOFC	Solenoid valve with solenoid coil, NAMUR connection pattern	52
[11] Ball valve VAPB, VZBA	2-way brass or stainless steel corrosion-resistant, 3-way stainless steel corrosion-resistant	vapb
[11] Ball valve VZBA	3-way ball valve for the trouble-free control of aggressive media or gases in piping systems.	vzba

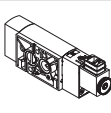
Accessories

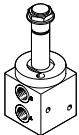
Positioner CMSX						
	Mode of operation	Pneumatic connection	Sensing range	Setting options	Part no.	Type
	Double-acting	G1/8		Via display and keys	3929540	CMSX-P-SE-C-U-F1-D-130-C
					8171507	CMSX-P-SE-C-U-F1-D-50-A
					3929539	CMSX-P-SE-C-U-F1-D-130-A
					8171508	CMSX-P-SE-C-U-F1-D-50-C
			3929314		CMSX-P-S-C-U-F1-D-130-C	
			3929313		CMSX-P-S-C-U-F1-D-50-A	
			3929315		CMSX-P-S-C-U-F1-D-50-C	
			3929312		CMSX-P-S-C-U-F1-D-130-A	
	Single-acting		8171510		CMSX-P-SE-C-U-F1-S-50-A	
			8171509		CMSX-P-SE-C-U-F1-S-130-A	
			3929369		CMSX-P-S-C-U-F1-S-130-A	
			3929370		CMSX-P-S-C-U-F1-S-50-A	

Limit switch box SRBC				
	Design	Measuring principle	Part no.	Type
		Inductive	8137097	SRBC-CA4-YR90-N-1-P-C2

Limit switch box SRAP				
	Design	Measuring principle	Part no.	Type
	Angular	Magnetic Hall	568238	SRAP-M-CA1-GR270-1-A-TM20
			568241	SRAP-M-CA1-GR270-1-A-TP20-EX2
			568236	SRAP-M-CA1-BB270-1-A-TP20

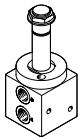
Limit switch box SRBG				
	Design	Measuring principle	Part no.	Type
	Angular	Inductive	3568165	SRBG-C1-N-1-P-C2-C2

Solenoid valve VSNC				
	Valve function	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
	5/2 bistable, 5/2-way or 3/2-way, convertible, 5/3-way, pressurised, 5/3 exhausted, 5/3 closed	800 ... 1350 l/min	8026033	VSNC
		1,250 l/min	8078399	VSNC-FC-M52-MD-G14-FN-3AA1+G
			8074945	VSNC-FC-M52-MD-G14-F8-1A1
	5/2-way or 3/2-way, convertible	950 l/min	8078398	VSNC-FC-M52-MD-G14-FN-1A1+G
		5/3-way, pressurised	1,050 l/min	8114685
	5/3 exhausted		8114684	VSNC-F-P53E-M-G14-P2

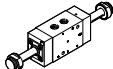
Solenoid valve VOFD				
	Valve function	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
	3/2-way, closed, monostable	52 l/min	3013904	VOFD-L12T-M32-MN-G14-8-F19

Accessories

Solenoid valve VOFD

	Valve function	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
	3/2-way, closed, monostable	52 l/min	3014556	VOFD-L12T-M32-MN-G14-8-F19A

Solenoid valve VOFC

	Valve function	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
	3/2-way, closed, monostable	601 l/min	4514738	VOFC-LT-M32C-M-FG14-F19
			4514739	VOFC-LT-M32C-M-FG14-F19A

Reducing sleeve DARQ

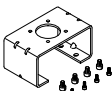
	Length	Connection 1, design	Connection 2, design	Product weight	Part no.	Type
	11 mm	SW11	SW9	5 g	8082117	DARQ-R-A-S11-S9-11
				25 g	8082131	DARQ-R-A-S11-S9-11-P5
				50 g	8082140	DARQ-R-A-S11-S9-11-P10
				250 g	8082145	DARQ-R-A-S11-S9-11-P50
	12 mm	SW8	SW8	7 g	8082116	DARQ-R-A-S11-S8-12
				35 g	8082130	DARQ-R-A-S11-S8-12-P5
				20 g	8086383	DARQ-R-A-S14-S8-16
	16 mm	SW14	SW8	100 g	8086388	DARQ-R-A-S14-S8-16-P5
				18 g	8082118	DARQ-R-A-S14-S9-16
				90 g	8082132	DARQ-R-A-S14-S9-16-P5
			SW9	180 g	8082141	DARQ-R-A-S14-S9-16-P10
				900 g	8082146	DARQ-R-A-S14-S9-16-P50
				16 g	8082119	DARQ-R-A-S14-S10-16
			SW10	13 g	8082120	DARQ-R-A-S14-S11-16
				65 g	8082133	DARQ-R-A-S14-S11-16-P5
				130 g	8082142	DARQ-R-A-S14-S11-16-P10
				650 g	8082147	DARQ-R-A-S14-S11-16-P50
			SW11	10 g	8082121	DARQ-R-A-S14-S12-16
	17 mm	SW17	SW12	36 g	8086384	DARQ-R-A-S17-S8-17
				34 g	8096914	DARQ-R-A-S17-S9-17
				29 g	8082122	DARQ-R-A-S17-S11-17
			SW9	145 g	8082134	DARQ-R-A-S17-S11-17-P5
				1,450 g	8082148	DARQ-R-A-S17-S11-17-P50
				25 g	8086385	DARQ-R-A-S17-S12-17
			SW11	125 g	8086389	DARQ-R-A-S17-S12-17-P5
				19 g	8082123	DARQ-R-A-S17-S14-17
				95 g	8082135	DARQ-R-A-S17-S14-17-P5
			SW12	190 g	8082143	DARQ-R-A-S17-S14-17-P10
				75 g	8086386	DARQ-R-A-S22-S11-22
				62 g	8082124	DARQ-R-A-S22-S14-22
	22 mm	SW22	SW14	310 g	8082136	DARQ-R-A-S22-S14-22-P5
				52 g	8082125	DARQ-R-A-S22-S16-22
				46 g	8082126	DARQ-R-A-S22-S17-22
			SW16	230 g	8082137	DARQ-R-A-S22-S17-22-P5
				460 g	8082144	DARQ-R-A-S22-S17-22-P10
				2,300 g	8082149	DARQ-R-A-S22-S17-22-P50
				121 g	8086387	DARQ-R-A-S27-S17-27
				80 g	8082127	DARQ-R-A-S27-S22-27
	27 mm	SW27	SW22			

Accessories

Reducing sleeve DARQ

	Length	Connection 1, design	Connection 2, design	Product weight	Part no.	Type
	27 mm	SW27	SW22	400 g	8082138	DARQ-R-A-S27-S22-27-P5
	36 mm		SW14	140 g	8096913	DARQ-R-A-S27-S14-27
	36 mm	SW36	SW22	286 g	8096915	DARQ-R-A-S36-S22-36
			SW27	215 g	8082128	DARQ-R-A-S36-S27-36
				1,075 g	8082139	DARQ-R-A-S36-S27-36-P5
	46 mm	SW46	SW36	410 g	8082129	DARQ-R-A-S46-S36-46

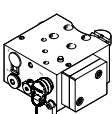
Mounting adapter DARQ

	Size	Material mounting bridge	Material coupling	Product weight	Part no.	Type
	AA 1 to VDI/VDE 3845	High-alloy steel	High-alloy stainless steel	350 g	2197135	DARQ-K-P-A1-F05-20-R1

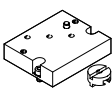
Position indicator SASF

	Description	Dimensions (W x L x H)	Ambient temperature	Product weight	Part no.	Type	
	For DFPD-20	Ø 50 mm x 20 mm	-20 ... 80 °C	29 g	8147090	SASF-F9-DE-12-A20	
	For DFPD-40				8147091	SASF-F9-DE-16-A20	
	For DFPD-60				8147092	SASF-F9-DE-19-A20	
	For DFPD-80				8147093	SASF-F9-DE-20-A20	
	For DFPD-120				8147094	SASF-F9-DE-22-A20	
	For DFPD-160	Ø 70 mm x 25 mm		28 g	8147095	SASF-F9-DE-25-A20	
	For DFPD-250 and DFPD-300			61 g	8147096	SASF-F9-DE-31-A30	
	For DFPD-480			60 g	8147098	SASF-F9-DE-38-A30	
	For DFPD-700				8147099	SASF-F9-DE-41-A30	
	For DFPD-900	Ø 101 mm x 30 mm		59 g	8147100	SASF-F9-DE-44-A30	
	For DFPD-1200			57 g	8147101	SASF-F9-DE-50-A30	
	For DFPD-2300			97 g	8147102	SASF-F9-DE-64-A30	

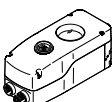
Control plate DADG

	Pneumatic connection	ATEX declaration	Product weight	Part no.	Type
	G1/4	For zone 1, 2, 21, 22	1,340 g	8104802	DADG-FM-F9-VDE2

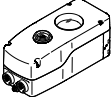
Adapter kit DADG

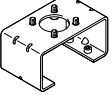
	Size	Material adapter	Product weight	Part no.	Type
	1	High-alloy stainless steel	187 g	8125947	DADG-AK-F9-1
	2		418 g	8104804	DADG-AK-F9-2

Positioner CMSH

	Pneumatic connection	Connecting thread	Design	Product weight	Part no.	Type
	G1/4, 1/4 NPT	M20, 1/2 NPT	Digital, electro-pneumatic positioner	2,045 ... 2820 g	8148076	CMSH-

Accessories

Positioner CMSH								
	Pneumatic connection	Connecting thread	Design	Product weight	Part no.	Type		
	G1/4	M20	Digital, electro-pneumatic positioner	2,520 g	8097423	CMSH-SE-VDE1-D-A-AL-G14-C1M20-HA		
				2,640 g	8186699	CMSH-S-VDE1-D-A-AL-G14-C1M20-HA-V2		
					8186700	CMSH-S-VDE1-D-C-AL-G14-C1M20-HA-V2		
					8097420	CMSH-S-VDE1-D-A-AL-G14-C1M20-HA		
					8186701	CMSH-S-VDE1-S-A-AL-G14-C1M20-HA-V2		
					8097412	CMSH-S-VDE1-S-A-AL-G14-C1M20-HA		
	1/4 NPT	1/2 NPT			8097413	CMSH-S-VDE1-S-A-AL-N14-C1N12-HA		
					8097421	CMSH-S-VDE1-D-A-AL-N14-C1N12-HA		
	With specific accessories	M20		2,175 g	8097425	CMSH-S-V-SD-AL-C1M20-HA		
		1/2 NPT			8097426	CMSH-S-V-SD-AL-C1N12-HA		

Mounting adapter CAFM				
	Size	Product weight	Part no.	Type
	AA 1 to VDI/VDE 3845	354 g	8148117	CAFM-M1-K-N1-AA1
	AA 2 to VDI/VDE 3845	385 g	8148118	CAFM-M1-K-N1-AA2
	AA 3 to VDI/VDE 3845	462 g	8148119	CAFM-M1-K-N1-AA3
	AA 4 to VDI/VDE 3845	524 g	8148120	CAFM-M1-K-N1-AA4