



### Adjustable pneumatic cushioning

UNIVER Original since 1999

- No change in dimensions comparing to an equivalent cylinder without cushionings
- Standard supplied for all models

### STANDARDS-BASED

Available in compliance with UNITOP and ISO 21287 standards

### STANDARD AND OCTAGONAL TUBE

Available in standard version and non-rotating version with **UNIVER Original** octagonal tube



Standard



Octagonal



### RP/RM



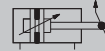
**RP** (UNITOP RU-2/7)  
 $\varnothing 16 \div 63$  mm



**RM** (ISO 21287)  
 $\varnothing 16 \div 100$  mm



### RP210



With anti-rotation guides  
 $\varnothing 16 \div 63$  mm



### RO/RN



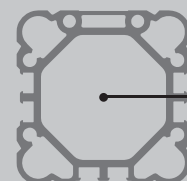
**RO** (UNITOP RU-2/7)  
 $\varnothing 16 \div 63$  mm



**RN** (ISO 21287)  
 $\varnothing 16 \div 63$  mm



Version non-rotating (octagonal tube)  
 Max load (Nm)



$\varnothing$	Nm
16	0,5
20	0,8
25	1
32	2
40	3
50	5
63	8



Assembly Kit  
 available for all series



### CHARACTERISTICS

Ambient temperature	-20 ÷ 80 °C
Fluid	filtered air, with or without lubrication
Working pressure	1,5 ÷ 10 bar
End-caps	die-cast zamak (Ø 16 ÷ 25 mm) die-cast aluminium (Ø 32 ÷ 63 mm)
Barrel	anodized aluminium
Piston	aluminium
Guide slide	acetalic resin
Piston rod	chromium-plated steel, stainless steel upon request
Piston seal	nitrile rubber
Guide bush for piston rod	acetalic resin
Shock absorber seals	nitrile rubber
Cushionings	pneumatic adjustable (UNIVER original standard supplied)
Magnet	standard supplied
Other available versions	tandem, two-position tandem, opposed tandem, with common piston rod (upon request)

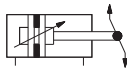


### CODIFICATION KEY

R	O	2	0	0	0	3	2	0	0	2	5	
1	2	3	4		5			6				

<b>1 Series</b>	<b>2 Type</b>	<b>3 Version</b>
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RO = Ø 16÷63 mm UNITOP Compact cylinders octagonal tube



1 = Stainless steel female piston rod  
 2 = Chromium-plated steel female piston rod  
 Male piston rod upon request

00 = D.A. Standard version  
 01 = D.A. Through piston rod  
 20 = D.A. Long piston (Ø32÷63)

D.A. = Double acting

<b>4 Bore (mm)</b>	<b>5 Stroke (mm)</b>	<b>6 Option</b>
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016 = Ø16    040 = Ø40  
 020 = Ø20    050 = Ø50  
 025 = Ø25    063 = Ø63  
 032 = Ø32

0005 - 0010 - 0015 - 0020 - 0025 - 0030 - 0040  
 0050 - 0060 - 0080  
**Max standard stroke**  
 0040 (Ø16)  
 0050 (Ø20-25)  
 0080 (Ø32÷63)

H = Hollow piston rod only for through piston rod versions without flange

### FIXING ELEMENTS AND ACCESSORIES

Ø	Rear male hinge	Rear female hinge with pin	Counter hinge 90°	Front/rear flange	Angle bracket	Intermediate hinge	Centering adaptor ring	Hinge support	DF sensor and DHF covering strip	Cable clamping for DF sensor
16		-	-							
20	RPF-11016	-	-	RPF-12016	RPF-13016	-	-	-		
25	RPF-11020	-	-	RPF-12020	RPF-13020	-	-	-		
32	RPF-11025	-	-	RPF-12025	RPF-13025	-	-	-		
40	-	KF-10032A	KF-19032	KF-12032	KF-13032	KDF-14032	RSF-09032	KF-41032		
50	-	RPF-10040A	KF-19040	RPF-12040	RPF-13040	RPF-14040	RSF-09040	KF-41040		
63	-	RPF-10050A	KF-19050	RPF-12050	RPF-13050	RPF-14050	RSF-09050	KF-41040		
	-	RPF-10063A	KF-19063	RPF-12063	RPF-13063	RPF-14063	RSF-09063	KF-41063	DF DHF-0020100	DF-001

### CHARACTERISTICS

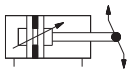
Ambient temperature	-20 ÷ 80 °C
Fluid	filtered air, with or without lubrication
Working pressure	1,5 ÷ 10 bar
End-caps	die-cast zamak (Ø16÷25) die-cast aluminium (Ø32÷63)
Barrel	anodized aluminium
Piston	aluminium
Guide slide	acetalic resin
Piston rod	chromium-plated steel, stainless steel upon request
Piston seal	nitrile rubber
Guide bush for piston rod	acetalic resin
Shock absorber seals	nitrile rubber
Cushionings	pneumatic adjustable (UNIVER original standard supplied)
Magnet	standard supplied
Other available versions	tandem, two-position tandem, opposed tandem, with common piston rod (upon request)



### CODIFICATION KEY

R	N	3	0	0	0	3	2	0	0	2	5	
1	2	3	4		5			6				

<b>1 Series</b> RN = Ø 16÷63 mm - ISO 21287 Compact cylinders octagonal tube	<b>2 Type</b> 3 = Stainless steel male piston rod 4 = Chromium-plated steel male piston rod  Female piston rod upon request	<b>3 Version</b> 00 = D.A. Standard version 01 = D.A. Through piston rod 20 = D.A. Long piston (Ø32÷63)  D.A. = Double acting
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<b>4 Bore (mm)</b> 016 = Ø16 040 = Ø40 020 = Ø20 050 = Ø50 025 = Ø25 063 = Ø63 032 = Ø32	<b>5 Stroke (mm)</b> 0005 - 0010 - 0015 - 0020 - 0025 - 0030 - 0040 0050 - 0060 - 0080  Max standard stroke 0040 (Ø16) 0050 (Ø20-25) 0080 (Ø32÷63)	<b>6 Option</b> H = Hollow piston rod only for through piston rod versions without flange
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### FIXING ELEMENTS AND ACCESSORIES

Ø	Female fork with clips	Articulated self-lubricating fork	Fork with axially mounted articulated pin	Fork with angle mounted articulated pin	Floating joint	Centering adaptor ring	Rear female hinge with pin	Counter hinge 90° (CETOP)	Counter hinge 90°	Counter hinge 90° (CNOMO)	Narrow female hinge with pin
16											
20	MF-15012	MF-17012	MF-22016	MF-23012	MF-24012	-	-	-	-	-	-
25	MF-15020	MF-17020	MF-22020	MF-23020	MF-24020	-	-	-	-	-	-
32	KF-15032	KF-17032	KF-22032	KF-23032	KF-24032	RSF-09032	KF-10032A	KF-19032CTA	KF-19032	KF-19032CN	KF-10032AS
40	KF-15032	KF-17032	KF-22032	KF-23032	KF-24032	RSF-09040	KF-10040A	KF-19040CTA	KF-19040	KF-19040050CN	KF-10040AS
50	KF-15040	KF-17040	KF-22040	KF-23040	KF-24040	RSF-09050	KF-10050A	KF-19050CTA	KF-19050	KF-19040050CN	KF-10050AS
63	KF-15040	KF-17040	KF-22040	KF-23040	KF-24040	RSF-09063	KF-10063A	KF-19063CTA	KF-19063	KF-19063080CN	KF-10063AS

Ø	Articulated counter hinge	Articulated rear male hinge	Rear male hinge	Front/rear flange	Angle bracket	Front/rear hinge	Hinge support	ISO Intermediate hinge	DF sensor and DHF covering strip	Cable clamping for DF sensor
16										
20	-	-	-	-	-	-	-	-	DF DHF-0020100	DF-001
25	-	-	-	-	-	-	-			
32	KF-19032SC	KF-11032S	KF-11032	KF-12032	KF-13032	KF-14032AP	KF-41032	KDF-14032		
40	KF-19040SC	KF-11040S	KF-11040	KF-12040	KF-13040	KF-14040AP	KF-41040	KDF-14040		
50	KF-19050SC	KF-11050S	KF-11050	KF-12050	KF-13050	KF-14050AP	KF-41040	KDF-14050		
63	KF-19063SC	KF-11063S	KF-11063	KF-12063	KF-13063	KF-14063AP	KF-41063	KDF-14063		