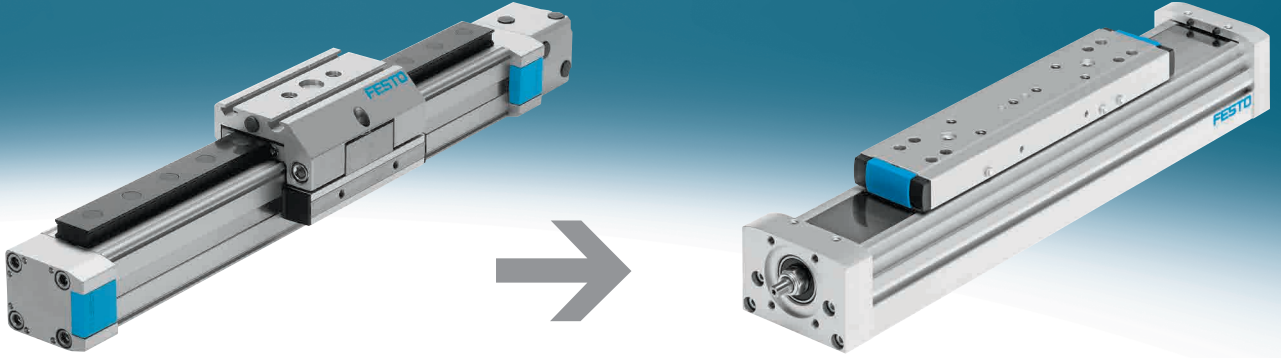


Purchasing guidelines 2017/2018

Bemak

FESTO



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[DNCE modular system to ESBF modular system or ESBF bestsellers](#)

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[DNCE bestsellers to ESBF bestsellers or ESBF modular system](#)

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New and alternative products from Festo:

Save time with the right selection

Festo is providing you with ideas on how you can save time thanks to the right selection of product alternatives.

We help you to quickly find:

- Replacements for phased-out products
- The same functions with added benefits
- Many products with a price advantage so you can save money



Electrically actuated valve type MFH-...



Electrically actuated valve type VUVG-L14-...

The best valve in its class:

Amazingly high flow rates and a very compact design are what make the VUVG stand out. As part of the VG series, it has many functions and variants that only the VUVG offers, not least because of the proven, patented cartridge principle. The lightweight aluminium housing is ideal for direct mounting on robot arms or cylinders.



Standards-based cylinder type DNC-...PPV-A



Standards-based cylinder type DSBC-...PPSA-...

Always correctly adjusted:

DSBC-PPS

Less effort, shorter set-up times, and greater productivity thanks to cylinders with PPS cushioning.

The new standard cylinder DSBC with the unique self-adjusting pneumatic end-position cushioning PPS adapts perfectly to changes in load and speed. As a result, you gain time and flexibility and increase process reliability. Another plus is the large modular system for all requirements.

We're there for you – during every phase of your project

We're always there to help you on your way to success. To meet your needs even more effectively, we have analysed project workflows and the value creation process. We then defined eight phases and allocated our software tools and services to the appropriate phase. You benefit by being able to find the right support quickly and easily.



Our range of services – your convenience

Everything from a single source

Do you use both pneumatic and electrical systems? We are the right partner for both – from hardware to software. This makes your purchasing considerably less complex and time-consuming. It also lowers your procurement costs because you only have to manage one supplier, place and track one order. You only need to process one invoice, and you have just one contact for all matters relating to your order. It couldn't be easier.

Simple products

Maximum functionality is a basic demand we make of all our products. But we are also committed to keeping things simple. Take our new standards-based cylinder DSBC for example. Its self-adjusting cushioning PPS saves time and effort.

Ready-to-install solutions

You will always gain from our ready-to-install solutions. They will significantly speed up your processes, from engineering to commissioning. And the earlier you contact us, the better. Get us involved right from the start and you could achieve savings of up to 50% with a fully assembled and tested solution.

Engineering tools

With our engineering tools, we make it much easier for you to select products, and to size, design and order your systems. Three steps are all it takes.

Simply select the product, apply the CAD data to your plans and place your order. Job done!

Support Portal

Round the clock before and after-sales support on our Support Portal, providing you with in-depth information at every stage of the process. Whether you need design, commissioning or declarations of conformity, the Support Portal is always available.

Simply enter the part number and find everything you need. Over 2.4 million downloads a month show our customers agree!

Convenient Online Shop

Open 24 hours a day, our clear and easy to use Online Shop always has the latest data – no need for updates or new catalogues. Prices, delivery times and order tracking can be accessed at all times, giving you a complete overview of your orders. Components that you use often can be saved using your part numbers and retrieved quickly by importing bills of materials. Frequent purchasers can benefit from a direct connection to ERP systems and their part numbers can be retained throughout the ordering process. Purchasing couldn't be simpler – as demonstrated by the more than 450,000 price queries we receive every month!



Simply reliable configuration

Festo Design Tool 3D for error-free configuration and ordering of pneumatic systems

Fast, reliable and efficient – the configuration software Festo Design Tool 3D reduces the risk of errors when designing and ordering system modules and is very convenient. The delivery of system modules as a complete package with only one part number simplifies logistics and assembly operations.

Until now, there was always a risk when sizing and ordering pneumatic drives. Many individual system components had to be placed manually by designers using CAD systems, and the result was long lists of items to be ordered.

The potential for errors was therefore large.

More reliable

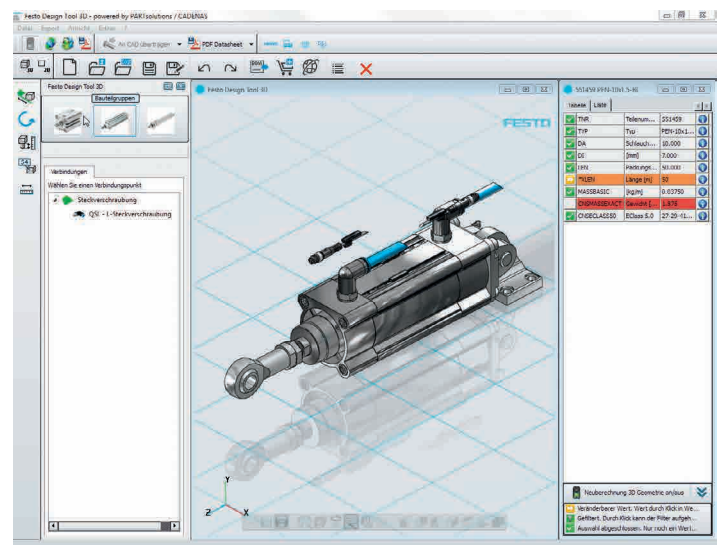
There is now an answer to this problem – the new Festo Design Tool 3D provides more reliability. Fast, reliable and efficient, this configuration software provides a convenient way of sizing standard cylinder modules with accessories in all the usual CAD formats.

The Festo Design Tool 3D for pneumatic systems genuinely reduces the amount of work and therefore saves a considerable amount of time. The risk of errors when compiling parts lists and ordering individual components is significantly lowered.

Fast installation, simple selection

This tool can be installed locally on the user's own computer in just a few steps and is then fully operational. The Festo Design Tool 3D not only makes selecting the required pneumatic drive easy, it also automatically places the chosen accessories on the cylinder in line with the user's needs.

All that system designers need to decide is whether they would like to receive a complete cylinder module pre-assembled as per the client's needs or would rather have a so-called "PrePack" as part of a complete package. Finally, the modern CAD configuration software generates a single order code. By following this specific procedure with the Festo Design Tool 3D, users can avoid inadvertent errors in the type codes in parts lists and in the relationships between components in CAD drawings. This procedure also reduces the amount of work that needs to be done by other departments.



Saves time and work

The new CAD configuration software, Festo Design Tool 3D, offers more reliability and reduces the workload of all users, be they engineers, buyers, warehouse staff or installation technicians. The simple graphic overview of accessories, the automatic error-free placing of accessories, the elimination of the need for individual downloads and the efficient way in which an order can be placed with only one part number – all this minimises the risk of configuration errors and saves time all along the entire value chain.

The subsequent delivery as a single package makes project engineering simpler and also reduces packaging waste. Whether supplied pre-assembled or as a "PrePack", the installation of pneumatic drives with the Festo Design Tool 3D is secure and reliable.

The Festo Design Tool 3D is now available in 20 countries and can be downloaded at www.festo.com/FDT-3D.

Added value in detail

Solutions? Expert suggestions!

Our sales engineers come to you and provide you with advice on how to develop the best solutions for every key area, such as performance, design, process reliability and costs.

+

Partnership? Right from the engineering stage!

Speed counts: simpler design means a faster time-to-market. That's why we provide you with free software tools for engineering, or CAD downloads in many native formats.

+

Order processing? Quick and easy!

And convenient and reliable too: if you order via our Online Shop, our order tracking system means you always know where your order is. Or you can use our E-commerce option with EdiFACT.

+

Logistics? Quick and reliable!

High-speed delivery – the fastest in Europe: you will normally receive your product 24 hours after ordering.

+

Local? Worldwide!

Around 17,800 employees are on hand in 176 countries to give you personal advice, whether via technical hotlines or customer service. On top of this, our logistics are structured so that the route to you is always the quickest and most efficient.



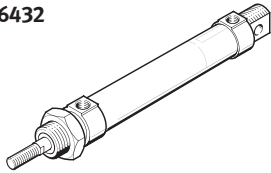
Pneumatic drives

Standards-based cylinders

Standards-based cylinder to ISO 6432

DSNU-...-PPV-A

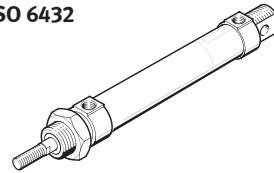
- Double-acting
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Standards-based cylinder to ISO 6432

DSNU-...-P-A

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

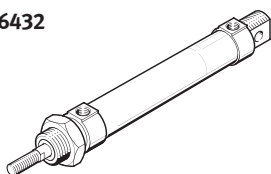
- Elastic cushioning

Part no.	Product type	Part no.	Alternative product type	Product comparison
33973	DSNU-16-25-PPV-A	19199	DSNU-16-25-P-A	
19229	DSNU-16-40-PPV-A	19200	DSNU-16-40-P-A	
19230	DSNU-16-50-PPV-A	19201	DSNU-16-50-P-A	
19231	DSNU-16-80-PPV-A	19202	DSNU-16-80-P-A	
19232	DSNU-16-100-PPV-A	19203	DSNU-16-100-P-A	
19233	DSNU-16-125-PPV-A	19204	DSNU-16-125-P-A	
19234	DSNU-16-160-PPV-A	19205	DSNU-16-160-P-A	
19235	DSNU-16-200-PPV-A	19206	DSNU-16-200-P-A	
33974	DSNU-20-25-PPV-A	19208	DSNU-20-25-P-A	
19236	DSNU-20-40-PPV-A	19209	DSNU-20-40-P-A	
19237	DSNU-20-50-PPV-A	19210	DSNU-20-50-P-A	
19238	DSNU-20-80-PPV-A	19211	DSNU-20-80-P-A	
19239	DSNU-20-100-PPV-A	19212	DSNU-20-100-P-A	
19240	DSNU-20-125-PPV-A	19213	DSNU-20-125-P-A	
19241	DSNU-20-160-PPV-A	19214	DSNU-20-160-P-A	
19242	DSNU-20-200-PPV-A	19215	DSNU-20-200-P-A	
19243	DSNU-20-250-PPV-A	19216	DSNU-20-250-P-A	
34720	DSNU-20-320-PPV-A	34718	DSNU-20-320-P-A	
33975	DSNU-25-25-PPV-A	19219	DSNU-25-25-P-A	
19245	DSNU-25-40-PPV-A	19220	DSNU-25-40-P-A	
19246	DSNU-25-50-PPV-A	19221	DSNU-25-50-P-A	
19247	DSNU-25-80-PPV-A	19222	DSNU-25-80-P-A	
19248	DSNU-25-100-PPV-A	19223	DSNU-25-100-P-A	
19249	DSNU-25-125-PPV-A	19224	DSNU-25-125-P-A	
19250	DSNU-25-160-PPV-A	19225	DSNU-25-160-P-A	
19251	DSNU-25-200-PPV-A	19226	DSNU-25-200-P-A	
19252	DSNU-25-250-PPV-A	19227	DSNU-25-250-P-A	
34721	DSNU-25-320-PPV-A	34719	DSNU-25-320-P-A	

Standards-based cylinder to ISO 6432

DSNU-....PPV-A

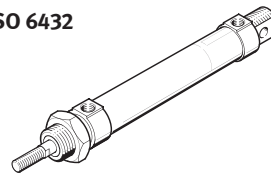
- Double-acting
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Standards-based cylinder to ISO 6432

DSNU-....PPS-A

- Double-acting
- Position sensing
- Pneumatic cushioning, self-adjusting at both ends



Difference:

- Pneumatic cushioning, self-adjusting at both ends

With
PPS cushioning

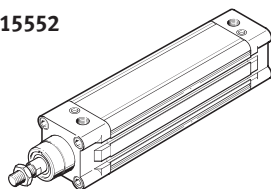
self-adjusting, clean, safe.

Part no.	Product type	Part no.	Alternative product type	Product comparison
33973	DSNU-16-25-PPV-A	559263	DSNU-16-25-PPS-A	
19229	DSNU-16-40-PPV-A	559264	DSNU-16-40-PPS-A	
19230	DSNU-16-50-PPV-A	559265	DSNU-16-50-PPS-A	
19231	DSNU-16-80-PPV-A	559266	DSNU-16-80-PPS-A	
19232	DSNU-16-100-PPV-A	559267	DSNU-16-100-PPS-A	
19233	DSNU-16-125-PPV-A	559268	DSNU-16-125-PPS-A	
19234	DSNU-16-160-PPV-A	559269	DSNU-16-160-PPS-A	
19235	DSNU-16-200-PPV-A	559270	DSNU-16-200-PPS-A	
33974	DSNU-20-25-PPV-A	559271	DSNU-20-25-PPS-A	
19236	DSNU-20-40-PPV-A	559272	DSNU-20-40-PPS-A	
19237	DSNU-20-50-PPV-A	559273	DSNU-20-50-PPS-A	
19238	DSNU-20-80-PPV-A	559274	DSNU-20-80-PPS-A	
19239	DSNU-20-100-PPV-A	559275	DSNU-20-100-PPS-A	
19240	DSNU-20-125-PPV-A	559276	DSNU-20-125-PPS-A	
19241	DSNU-20-160-PPV-A	559277	DSNU-20-160-PPS-A	
19242	DSNU-20-200-PPV-A	559278	DSNU-20-200-PPS-A	
19243	DSNU-20-250-PPV-A	559279	DSNU-20-250-PPS-A	
19244	DSNU-20-300-PPV-A	559280	DSNU-20-300-PPS-A	
34720	DSNU-20-320-PPV-A	559281	DSNU-20-320-PPS-A	
33975	DSNU-25-25-PPV-A	559282	DSNU-25-25-PPS-A	
19245	DSNU-25-40-PPV-A	559283	DSNU-25-40-PPS-A	
19246	DSNU-25-50-PPV-A	559284	DSNU-25-50-PPS-A	
19247	DSNU-25-80-PPV-A	559285	DSNU-25-80-PPS-A	
19248	DSNU-25-100-PPV-A	559286	DSNU-25-100-PPS-A	
19249	DSNU-25-125-PPV-A	559287	DSNU-25-125-PPS-A	
19250	DSNU-25-160-PPV-A	559288	DSNU-25-160-PPS-A	
19251	DSNU-25-200-PPV-A	559289	DSNU-25-200-PPS-A	
19252	DSNU-25-250-PPV-A	559290	DSNU-25-250-PPS-A	
19253	DSNU-25-300-PPV-A	559291	DSNU-25-300-PPS-A	
34721	DSNU-25-320-PPV-A	559292	DSNU-25-320-PPS-A	
35193	DSNU-25-400-PPV-A	559293	DSNU-25-400-PPS-A	
35194	DSNU-25-500-PPV-A	559294	DSNU-25-500-PPS-A	

Standards-based cylinder to ISO 15552

DNC-...-PPV

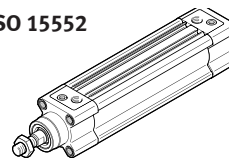
- Double-acting
- Pneumatic cushioning, adjustable at both ends



Standards-based cylinder to ISO 15552

DSBC-...-PPVA-N3

- Double-acting
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Difference:

- Sensor slots only on one side of the profile
- With position sensing

Part no.	Product type	Part no.	Alternative product type	Product comparison
163319	DNC-32-25-PPV	1376422	DSBC-32-25-PPVA-N3	
163320	DNC-32-40-PPV	1376423	DSBC-32-40-PPVA-N3	
163321	DNC-32-50-PPV	1376424	DSBC-32-50-PPVA-N3	
163322	DNC-32-80-PPV	1376425	DSBC-32-80-PPVA-N3	
163323	DNC-32-100-PPV	1376426	DSBC-32-100-PPVA-N3	
163324	DNC-32-125-PPV	1376427	DSBC-32-125-PPVA-N3	
163325	DNC-32-160-PPV	1376428	DSBC-32-160-PPVA-N3	
163326	DNC-32-200-PPV	1376429	DSBC-32-200-PPVA-N3	
163327	DNC-32-250-PPV	1376430	DSBC-32-250-PPVA-N3	
163328	DNC-32-320-PPV	1376431	DSBC-32-320-PPVA-N3	
163329	DNC-32-400-PPV	1376432	DSBC-32-400-PPVA-N3	
163330	DNC-32-500-PPV	1376433	DSBC-32-500-PPVA-N3	
163351	DNC-40-25-PPV	1376656	DSBC-40-25-PPVA-N3	
163352	DNC-40-40-PPV	1376657	DSBC-40-40-PPVA-N3	
163353	DNC-40-50-PPV	1376658	DSBC-40-50-PPVA-N3	
163354	DNC-40-80-PPV	1376659	DSBC-40-80-PPVA-N3	
163355	DNC-40-100-PPV	1376660	DSBC-40-100-PPVA-N3	
163356	DNC-40-125-PPV	1376661	DSBC-40-125-PPVA-N3	
163357	DNC-40-160-PPV	1376662	DSBC-40-160-PPVA-N3	
163358	DNC-40-200-PPV	1376663	DSBC-40-200-PPVA-N3	
163359	DNC-40-250-PPV	1376664	DSBC-40-250-PPVA-N3	
163360	DNC-40-320-PPV	1376665	DSBC-40-320-PPVA-N3	
163361	DNC-40-400-PPV	1376666	DSBC-40-400-PPVA-N3	
163362	DNC-40-500-PPV	1376667	DSBC-40-500-PPVA-N3	
163383	DNC-50-25-PPV	1366948	DSBC-50-25-PPVA-N3	
1922630	DNC-50-30-PPV-A	2098970	DSBC-50-30-PPVA-N3	
163384	DNC-50-40-PPV	1366949	DSBC-50-40-PPVA-N3	
163385	DNC-50-50-PPV	1366950	DSBC-50-50-PPVA-N3	
163386	DNC-50-80-PPV	1366951	DSBC-50-80-PPVA-N3	
163392	DNC-50-320-PPV	1366957	DSBC-50-320-PPVA-N3	
163393	DNC-50-400-PPV	1366958	DSBC-50-400-PPVA-N3	
163394	DNC-50-500-PPV	1366959	DSBC-50-500-PPVA-N3	

Standards-based cylinder to ISO 15552
DNC-....PPV

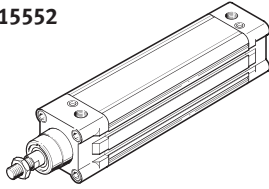
Standards-based cylinder to ISO 15552
DSBC-....PPVA-N3

Part no.	Product type	Part no.	Alternative product type	Product comparison
163415	DNC-63-25-PPV	1383578	DSBC-63-25-PPVA-N3	
163416	DNC-63-40-PPV	1383579	DSBC-63-40-PPVA-N3	
163417	DNC-63-50-PPV	1383580	DSBC-63-50-PPVA-N3	
163418	DNC-63-80-PPV	1383581	DSBC-63-80-PPVA-N3	
163419	DNC-63-100-PPV	1383582	DSBC-63-100-PPVA-N3	
163420	DNC-63-125-PPV	1383583	DSBC-63-125-PPVA-N3	
1922639	DNC-63-150-PPV-A	2125494	DSBC-63-150-PPVA-N3	
163421	DNC-63-160-PPV	1383584	DSBC-63-160-PPVA-N3	
163422	DNC-63-200-PPV	1383585	DSBC-63-200-PPVA-N3	
163423	DNC-63-250-PPV	1383586	DSBC-63-250-PPVA-N3	
163424	DNC-63-320-PPV	1383587	DSBC-63-320-PPVA-N3	
163425	DNC-63-400-PPV	1383588	DSBC-63-400-PPVA-N3	
163426	DNC-63-500-PPV	1383589	DSBC-63-500-PPVA-N3	
163447	DNC-80-25-PPV	1383333	DSBC-80-25-PPVA-N3	
163448	DNC-80-40-PPV	1383334	DSBC-80-40-PPVA-N3	
163449	DNC-80-50-PPV	1383335	DSBC-80-50-PPVA-N3	
163450	DNC-80-80-PPV	1383336	DSBC-80-80-PPVA-N3	
163451	DNC-80-100-PPV	1383337	DSBC-80-100-PPVA-N3	
163452	DNC-80-125-PPV	1383338	DSBC-80-125-PPVA-N3	
163453	DNC-80-160-PPV	1383339	DSBC-80-160-PPVA-N3	
163454	DNC-80-200-PPV	1383340	DSBC-80-200-PPVA-N3	
163455	DNC-80-250-PPV	1383341	DSBC-80-250-PPVA-N3	
163456	DNC-80-320-PPV	1383342	DSBC-80-320-PPVA-N3	
163457	DNC-80-400-PPV	1383343	DSBC-80-400-PPVA-N3	
163458	DNC-80-500-PPV	1383344	DSBC-80-500-PPVA-N3	
163479	DNC-100-25-PPV	1384804	DSBC-100-25-PPVA-N3	
163480	DNC-100-40-PPV	1384805	DSBC-100-40-PPVA-N3	
163481	DNC-100-50-PPV	1384806	DSBC-100-50-PPVA-N3	
163482	DNC-100-80-PPV	1384807	DSBC-100-80-PPVA-N3	
163483	DNC-100-100-PPV	1384808	DSBC-100-100-PPVA-N3	
163484	DNC-100-125-PPV	1384809	DSBC-100-125-PPVA-N3	
163485	DNC-100-160-PPV	1384810	DSBC-100-160-PPVA-N3	
163486	DNC-100-200-PPV	1384811	DSBC-100-200-PPVA-N3	
163487	DNC-100-250-PPV	1384812	DSBC-100-250-PPVA-N3	
163488	DNC-100-320-PPV	1384813	DSBC-100-320-PPVA-N3	
163489	DNC-100-400-PPV	1384814	DSBC-100-400-PPVA-N3	
163490	DNC-100-500-PPV	1384815	DSBC-100-500-PPVA-N3	

Standards-based cylinder to ISO 15552

DNC-...-PPV-A

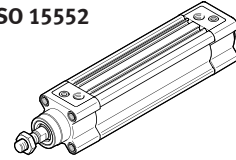
- Double-acting
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Standards-based cylinder to ISO 15552

DSBC-...-PPVA-N3

- Double-acting
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Difference:

- Sensor slots only on one side of the profile

Part no.	Product type	Part no.	Alternative product type	Product comparison
1922617	DNC-32-20-PPV-A	2123069	DSBC-32-20-PPVA-N3	
163305	DNC-32-25-PPV-A	1376422	DSBC-32-25-PPVA-N3	
1922618	DNC-32-30-PPV-A	2123070	DSBC-32-30-PPVA-N3	
163306	DNC-32-40-PPV-A	1376423	DSBC-32-40-PPVA-N3	
163307	DNC-32-50-PPV-A	1376424	DSBC-32-50-PPVA-N3	
1922619	DNC-32-60-PPV-A	2123071	DSBC-32-60-PPVA-N3	
1922620	DNC-32-70-PPV-A	2123072	DSBC-32-70-PPVA-N3	
163308	DNC-32-80-PPV-A	1376425	DSBC-32-80-PPVA-N3	
163309	DNC-32-100-PPV-A	1376426	DSBC-32-100-PPVA-N3	
163310	DNC-32-125-PPV-A	1376427	DSBC-32-125-PPVA-N3	
1922621	DNC-32-150-PPV-A	2123073	DSBC-32-150-PPVA-N3	
163311	DNC-32-160-PPV-A	1376428	DSBC-32-160-PPVA-N3	
163312	DNC-32-200-PPV-A	1376429	DSBC-32-200-PPVA-N3	
163313	DNC-32-250-PPV-A	1376430	DSBC-32-250-PPVA-N3	
1922622	DNC-32-300-PPV-A	2123074	DSBC-32-300-PPVA-N3	
163314	DNC-32-320-PPV-A	1376431	DSBC-32-320-PPVA-N3	
163315	DNC-32-400-PPV-A	1376432	DSBC-32-400-PPVA-N3	
163316	DNC-32-500-PPV-A	1376433	DSBC-32-500-PPVA-N3	
1922623	DNC-40-20-PPV-A	2123166	DSBC-40-20-PPVA-N3	
163337	DNC-40-25-PPV-A	1376656	DSBC-40-25-PPVA-N3	
1922624	DNC-40-30-PPV-A	2123167	DSBC-40-30-PPVA-N3	
163338	DNC-40-40-PPV-A	1376657	DSBC-40-40-PPVA-N3	
163339	DNC-40-50-PPV-A	1376658	DSBC-40-50-PPVA-N3	
1922625	DNC-40-60-PPV-A	2123224	DSBC-40-60-PPVA-N3	
1922626	DNC-40-70-PPV-A	2123225	DSBC-40-70-PPVA-N3	
163340	DNC-40-80-PPV-A	1376659	DSBC-40-80-PPVA-N3	
163341	DNC-40-100-PPV-A	1376660	DSBC-40-100-PPVA-N3	
163342	DNC-40-125-PPV-A	1376661	DSBC-40-125-PPVA-N3	
1922627	DNC-40-150-PPV-A	2123226	DSBC-40-150-PPVA-N3	
163343	DNC-40-160-PPV-A	1376662	DSBC-40-160-PPVA-N3	
163344	DNC-40-200-PPV-A	1376663	DSBC-40-200-PPVA-N3	
163345	DNC-40-250-PPV-A	1376664	DSBC-40-250-PPVA-N3	
1922628	DNC-40-300-PPV-A	2123227	DSBC-40-300-PPVA-N3	
163346	DNC-40-320-PPV-A	1376665	DSBC-40-320-PPVA-N3	
163347	DNC-40-400-PPV-A	1376666	DSBC-40-400-PPVA-N3	
163348	DNC-40-500-PPV-A	1376667	DSBC-40-500-PPVA-N3	

**Standards-based cylinder to ISO
15552
DNC-....-PPV-A**

**Standards-based cylinder to ISO 15552
DSBC-....-PPVA-N3**

Part no.	Product type	Part no.	Alternative product type	Product comparison
1922629	DNC-50-20-PPV-A	2098969	DSBC-50-20-PPVA-N3	
163369	DNC-50-25-PPV-A	1366948	DSBC-50-25-PPVA-N3	
1922630	DNC-50-30-PPV-A	2098970	DSBC-50-30-PPVA-N3	
163370	DNC-50-40-PPV-A	1366949	DSBC-50-40-PPVA-N3	
163371	DNC-50-50-PPV-A	1366950	DSBC-50-50-PPVA-N3	
1922631	DNC-50-60-PPV-A	2098972	DSBC-50-60-PPVA-N3	
1922632	DNC-50-70-PPV-A	2098973	DSBC-50-70-PPVA-N3	
163372	DNC-50-80-PPV-A	1366951	DSBC-50-80-PPVA-N3	
163373	DNC-50-100-PPV-A	1366952	DSBC-50-100-PPVA-N3	
163374	DNC-50-125-PPV-A	1366953	DSBC-50-125-PPVA-N3	
1922633	DNC-50-150-PPV-A	2098974	DSBC-50-150-PPVA-N3	
163375	DNC-50-160-PPV-A	1366954	DSBC-50-160-PPVA-N3	
163376	DNC-50-200-PPV-A	1366955	DSBC-50-200-PPVA-N3	
163377	DNC-50-250-PPV-A	1366956	DSBC-50-250-PPVA-N3	
1922634	DNC-50-300-PPV-A	2098975	DSBC-50-300-PPVA-N3	
163378	DNC-50-320-PPV-A	1366957	DSBC-50-320-PPVA-N3	
163379	DNC-50-400-PPV-A	1366958	DSBC-50-400-PPVA-N3	
163380	DNC-50-500-PPV-A	1366959	DSBC-50-500-PPVA-N3	
1922635	DNC-63-20-PPV-A	2125490	DSBC-63-20-PPVA-N3	
163401	DNC-63-25-PPV-A	1383578	DSBC-63-25-PPVA-N3	
1922636	DNC-63-30-PPV-A	2125491	DSBC-63-30-PPVA-N3	
163402	DNC-63-40-PPV-A	1383579	DSBC-63-40-PPVA-N3	
163403	DNC-63-50-PPV-A	1383580	DSBC-63-50-PPVA-N3	
1922637	DNC-63-60-PPV-A	2125492	DSBC-63-60-PPVA-N3	
1922638	DNC-63-70-PPV-A	2125493	DSBC-63-70-PPVA-N3	
163404	DNC-63-80-PPV-A	1383581	DSBC-63-80-PPVA-N3	
163405	DNC-63-100-PPV-A	1383582	DSBC-63-100-PPVA-N3	
163406	DNC-63-125-PPV-A	1383583	DSBC-63-125-PPVA-N3	
1922639	DNC-63-150-PPV-A	2125494	DSBC-63-150-PPVA-N3	
163407	DNC-63-160-PPV-A	1383584	DSBC-63-160-PPVA-N3	
163408	DNC-63-200-PPV-A	1383585	DSBC-63-200-PPVA-N3	
163409	DNC-63-250-PPV-A	1383586	DSBC-63-250-PPVA-N3	
1922640	DNC-63-300-PPV-A	2125495	DSBC-63-300-PPVA-N3	
163410	DNC-63-320-PPV-A	1383587	DSBC-63-320-PPVA-N3	
163411	DNC-63-400-PPV-A	1383588	DSBC-63-400-PPVA-N3	
163412	DNC-63-500-PPV-A	1383589	DSBC-63-500-PPVA-N3	
1922641	DNC-80-20-PPV-A	2126594	DSBC-80-20-PPVA-N3	
163433	DNC-80-25-PPV-A	1383333	DSBC-80-25-PPVA-N3	
1922642	DNC-80-30-PPV-A	2126595	DSBC-80-30-PPVA-N3	
163434	DNC-80-40-PPV-A	1383334	DSBC-80-40-PPVA-N3	
163435	DNC-80-50-PPV-A	1383335	DSBC-80-50-PPVA-N3	
1922643	DNC-80-60-PPV-A	2126597	DSBC-80-60-PPVA-N3	

**Standards-based cylinder to ISO
15552
DNC-...-PPV-A**

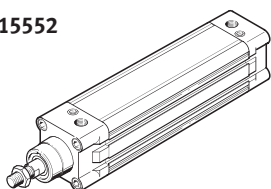
**Standards-based cylinder to ISO 15552
DSBC-...-PPVA-N3**

Part no.	Product type	Part no.	Alternative product type	Product comparison
1922644	DNC-80-70-PPV-A	2126598	DSBC-80-70-PPVA-N3	
163436	DNC-80-80-PPV-A	1383336	DSBC-80-80-PPVA-N3	
163437	DNC-80-100-PPV-A	1383337	DSBC-80-100-PPVA-N3	
163438	DNC-80-125-PPV-A	1383338	DSBC-80-125-PPVA-N3	
1922645	DNC-80-150-PPV-A	2126599	DSBC-80-150-PPVA-N3	
163439	DNC-80-160-PPV-A	1383339	DSBC-80-160-PPVA-N3	
163440	DNC-80-200-PPV-A	1383340	DSBC-80-200-PPVA-N3	
163441	DNC-80-250-PPV-A	1383341	DSBC-80-250-PPVA-N3	
1922646	DNC-80-300-PPV-A	2126600	DSBC-80-300-PPVA-N3	
163442	DNC-80-320-PPV-A	1383342	DSBC-80-320-PPVA-N3	
163443	DNC-80-400-PPV-A	1383343	DSBC-80-400-PPVA-N3	
163444	DNC-80-500-PPV-A	1383344	DSBC-80-500-PPVA-N3	
163465	DNC-100-25-PPV-A	1384804	DSBC-100-25-PPVA-N3	
163466	DNC-100-40-PPV-A	1384805	DSBC-100-40-PPVA-N3	
163467	DNC-100-50-PPV-A	1384806	DSBC-100-50-PPVA-N3	
163468	DNC-100-80-PPV-A	1384807	DSBC-100-80-PPVA-N3	
163469	DNC-100-100-PPV-A	1384808	DSBC-100-100-PPVA-N3	
163470	DNC-100-125-PPV-A	1384809	DSBC-100-125-PPVA-N3	
163471	DNC-100-160-PPV-A	1384810	DSBC-100-160-PPVA-N3	
163472	DNC-100-200-PPV-A	1384811	DSBC-100-200-PPVA-N3	
163473	DNC-100-250-PPV-A	1384812	DSBC-100-250-PPVA-N3	
163474	DNC-100-320-PPV-A	1384813	DSBC-100-320-PPVA-N3	
163475	DNC-100-400-PPV-A	1384814	DSBC-100-400-PPVA-N3	
163476	DNC-100-500-PPV-A	1384815	DSBC-100-500-PPVA-N3	
163497	DNC-125-25-PPV-A	1804956	DSBC-125-25-PPVA-N3	
163498	DNC-125-40-PPV-A	1804957	DSBC-125-40-PPVA-N3	
163499	DNC-125-50-PPV-A	1804958	DSBC-125-50-PPVA-N3	
163500	DNC-125-80-PPV-A	1804959	DSBC-125-80-PPVA-N3	
163501	DNC-125-100-PPV-A	1804960	DSBC-125-100-PPVA-N3	
163502	DNC-125-125-PPV-A	1804961	DSBC-125-125-PPVA-N3	
163503	DNC-125-160-PPV-A	1804962	DSBC-125-160-PPVA-N3	
163504	DNC-125-200-PPV-A	1804963	DSBC-125-200-PPVA-N3	
163505	DNC-125-250-PPV-A	1804964	DSBC-125-250-PPVA-N3	
163506	DNC-125-320-PPV-A	1804965	DSBC-125-320-PPVA-N3	
163507	DNC-125-400-PPV-A	1804966	DSBC-125-400-PPVA-N3	
163508	DNC-125-500-PPV-A	1804967	DSBC-125-500-PPVA-N3	

Standards-based cylinder to ISO 15552

DNC-...-PPV-A

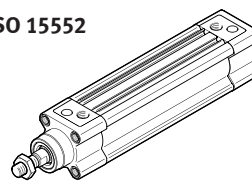
- Double-acting
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Standards-based cylinder to ISO 15552

DSBC-...-PPSA-N3

- Double-acting
- Position sensing
- Pneumatic cushioning, self-adjusting at both ends



Difference:

- Sensor slots only on one side of the profile
- Pneumatic cushioning, self-adjusting at both ends

With
PPS cushioning

self-adjusting, clean, safe.

Part no.	Product type	Part no.	Alternative product type	Product comparison
1922617	DNC-32-20-PPV-A	2123085	DSBC-32-20-PPSA-N3	
163305	DNC-32-25-PPV-A	1376467	DSBC-32-25-PPSA-N3	
1922618	DNC-32-30-PPV-A	2123086	DSBC-32-30-PPSA-N3	
163306	DNC-32-40-PPV-A	1376468	DSBC-32-40-PPSA-N3	
163307	DNC-32-50-PPV-A	1376469	DSBC-32-50-PPSA-N3	
1922619	DNC-32-60-PPV-A	2123087	DSBC-32-60-PPSA-N3	
1922620	DNC-32-70-PPV-A	2123088	DSBC-32-70-PPSA-N3	
163308	DNC-32-80-PPV-A	1376470	DSBC-32-80-PPSA-N3	
163309	DNC-32-100-PPV-A	1376471	DSBC-32-100-PPSA-N3	
163310	DNC-32-125-PPV-A	1376472	DSBC-32-125-PPSA-N3	
1922621	DNC-32-150-PPV-A	2123089	DSBC-32-150-PPSA-N3	
163311	DNC-32-160-PPV-A	1376473	DSBC-32-160-PPSA-N3	
163312	DNC-32-200-PPV-A	1376474	DSBC-32-200-PPSA-N3	
163313	DNC-32-250-PPV-A	1376475	DSBC-32-250-PPSA-N3	
1922622	DNC-32-300-PPV-A	2123090	DSBC-32-300-PPSA-N3	
163314	DNC-32-320-PPV-A	1376476	DSBC-32-320-PPSA-N3	
163315	DNC-32-400-PPV-A	1376477	DSBC-32-400-PPSA-N3	
163316	DNC-32-500-PPV-A	1376478	DSBC-32-500-PPSA-N3	
1922623	DNC-40-20-PPV-A	2123780	DSBC-40-20-PPSA-N3	
163337	DNC-40-25-PPV-A	1376903	DSBC-40-25-PPSA-N3	
1922624	DNC-40-30-PPV-A	2123781	DSBC-40-30-PPSA-N3	
163338	DNC-40-40-PPV-A	1376904	DSBC-40-40-PPSA-N3	
163339	DNC-40-50-PPV-A	1376905	DSBC-40-50-PPSA-N3	
1922625	DNC-40-60-PPV-A	2123782	DSBC-40-60-PPSA-N3	
1922626	DNC-40-70-PPV-A	2123783	DSBC-40-70-PPSA-N3	
163340	DNC-40-80-PPV-A	1376906	DSBC-40-80-PPSA-N3	
163341	DNC-40-100-PPV-A	1376907	DSBC-40-100-PPSA-N3	
163342	DNC-40-125-PPV-A	1376908	DSBC-40-125-PPSA-N3	
1922627	DNC-40-150-PPV-A	2123784	DSBC-40-150-PPSA-N3	
163343	DNC-40-160-PPV-A	1376909	DSBC-40-160-PPSA-N3	
163344	DNC-40-200-PPV-A	1376910	DSBC-40-200-PPSA-N3	
163345	DNC-40-250-PPV-A	1376911	DSBC-40-250-PPSA-N3	
1922628	DNC-40-300-PPV-A	2123785	DSBC-40-300-PPSA-N3	
163346	DNC-40-320-PPV-A	1376912	DSBC-40-320-PPSA-N3	
163347	DNC-40-400-PPV-A	1376913	DSBC-40-400-PPSA-N3	
163348	DNC-40-500-PPV-A	1376914	DSBC-40-500-PPSA-N3	

**Standards-based cylinder to ISO
15552
DNC-...-PPV-A**

**Standards-based cylinder to ISO 15552
DSBC-...-PPSA-N3**

Part no.	Product type	Part no.	Alternative product type	Product comparison
1922629	DNC-50-20-PPV-A	2102628	DSBC-50-20-PPSA-N3	
163369	DNC-50-25-PPV-A	1376301	DSBC-50-25-PPSA-N3	
1922630	DNC-50-30-PPV-A	2102629	DSBC-50-30-PPSA-N3	
163370	DNC-50-40-PPV-A	1376304	DSBC-50-40-PPSA-N3	
163371	DNC-50-50-PPV-A	1376305	DSBC-50-50-PPSA-N3	
1922631	DNC-50-60-PPV-A	2102630	DSBC-50-60-PPSA-N3	
1922632	DNC-50-70-PPV-A	2102631	DSBC-50-70-PPSA-N3	
163372	DNC-50-80-PPV-A	1376306	DSBC-50-80-PPSA-N3	
163373	DNC-50-100-PPV-A	1376307	DSBC-50-100-PPSA-N3	
163374	DNC-50-125-PPV-A	1376308	DSBC-50-125-PPSA-N3	
1922633	DNC-50-150-PPV-A	2102632	DSBC-50-150-PPSA-N3	
163375	DNC-50-160-PPV-A	1376309	DSBC-50-160-PPSA-N3	
163376	DNC-50-200-PPV-A	1376310	DSBC-50-200-PPSA-N3	
163377	DNC-50-250-PPV-A	1376311	DSBC-50-250-PPSA-N3	
1922634	DNC-50-300-PPV-A	2102633	DSBC-50-300-PPSA-N3	
163378	DNC-50-320-PPV-A	1376312	DSBC-50-320-PPSA-N3	
163379	DNC-50-400-PPV-A	1376313	DSBC-50-400-PPSA-N3	
163380	DNC-50-500-PPV-A	1376314	DSBC-50-500-PPSA-N3	
1922635	DNC-63-20-PPV-A	2126684	DSBC-63-20-PPSA-N3	
163401	DNC-63-25-PPV-A	1383632	DSBC-63-25-PPSA-N3	
1922636	DNC-63-30-PPV-A	2126685	DSBC-63-30-PPSA-N3	
163402	DNC-63-40-PPV-A	1383633	DSBC-63-40-PPSA-N3	
163403	DNC-63-50-PPV-A	1383634	DSBC-63-50-PPSA-N3	
1922637	DNC-63-60-PPV-A	2126686	DSBC-63-60-PPSA-N3	
1922638	DNC-63-70-PPV-A	2126687	DSBC-63-70-PPSA-N3	
163404	DNC-63-80-PPV-A	1383635	DSBC-63-80-PPSA-N3	
163405	DNC-63-100-PPV-A	1383636	DSBC-63-100-PPSA-N3	
163406	DNC-63-125-PPV-A	1383637	DSBC-63-125-PPSA-N3	
1922639	DNC-63-150-PPV-A	2126688	DSBC-63-150-PPSA-N3	
163407	DNC-63-160-PPV-A	1383638	DSBC-63-160-PPSA-N3	
163408	DNC-63-200-PPV-A	1383639	DSBC-63-200-PPSA-N3	
163409	DNC-63-250-PPV-A	1383640	DSBC-63-250-PPSA-N3	
1922640	DNC-63-300-PPV-A	2126689	DSBC-63-300-PPSA-N3	
163410	DNC-63-320-PPV-A	1383641	DSBC-63-320-PPSA-N3	
163411	DNC-63-400-PPV-A	1383642	DSBC-63-400-PPSA-N3	
163412	DNC-63-500-PPV-A	1383643	DSBC-63-500-PPSA-N3	
1922641	DNC-80-20-PPV-A	2126636	DSBC-80-20-PPSA-N3	
163433	DNC-80-25-PPV-A	1383366	DSBC-80-25-PPSA-N3	
1922642	DNC-80-30-PPV-A	2126637	DSBC-80-30-PPSA-N3	
163434	DNC-80-40-PPV-A	1383367	DSBC-80-40-PPSA-N3	
163435	DNC-80-50-PPV-A	1383368	DSBC-80-50-PPSA-N3	
1922643	DNC-80-60-PPV-A	2126638	DSBC-80-60-PPSA-N3	

**Standards-based cylinder to ISO
15552
DNC-....-PPV-A**

**Standards-based cylinder to ISO 15552
DSBC-....-PPSA-N3**

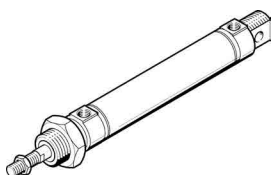
Part no.	Product type	Part no.	Alternative product type	Product comparison
1922644	DNC-80-70-PPV-A	2126639	DSBC-80-70-PPSA-N3	
163436	DNC-80-80-PPV-A	1383369	DSBC-80-80-PPSA-N3	
163437	DNC-80-100-PPV-A	1383370	DSBC-80-100-PPSA-N3	
163438	DNC-80-125-PPV-A	1383371	DSBC-80-125-PPSA-N3	
1922645	DNC-80-150-PPV-A	2126640	DSBC-80-150-PPSA-N3	
163439	DNC-80-160-PPV-A	1383372	DSBC-80-160-PPSA-N3	
163440	DNC-80-200-PPV-A	1383373	DSBC-80-200-PPSA-N3	
163441	DNC-80-250-PPV-A	1383374	DSBC-80-250-PPSA-N3	
1922646	DNC-80-300-PPV-A	2126641	DSBC-80-300-PPSA-N3	
163442	DNC-80-320-PPV-A	1383375	DSBC-80-320-PPSA-N3	
163443	DNC-80-400-PPV-A	1383376	DSBC-80-400-PPSA-N3	
163444	DNC-80-500-PPV-A	1383377	DSBC-80-500-PPSA-N3	
163465	DNC-100-25-PPV-A	1384890	DSBC-100-25-PPSA-N3	
163466	DNC-100-40-PPV-A	1384891	DSBC-100-40-PPSA-N3	
163467	DNC-100-50-PPV-A	1384892	DSBC-100-50-PPSA-N3	
163468	DNC-100-80-PPV-A	1384893	DSBC-100-80-PPSA-N3	
163469	DNC-100-100-PPV-A	1384894	DSBC-100-100-PPSA-N3	
163470	DNC-100-125-PPV-A	1384895	DSBC-100-125-PPSA-N3	
163471	DNC-100-160-PPV-A	1384896	DSBC-100-160-PPSA-N3	
163472	DNC-100-200-PPV-A	1384897	DSBC-100-200-PPSA-N3	
163473	DNC-100-250-PPV-A	1384898	DSBC-100-250-PPSA-N3	
163474	DNC-100-320-PPV-A	1384899	DSBC-100-320-PPSA-N3	
163475	DNC-100-400-PPV-A	1384900	DSBC-100-400-PPSA-N3	
163476	DNC-100-500-PPV-A	1384901	DSBC-100-500-PPSA-N3	
163497	DNC-125-25-PPV-A	1804661	DSBC-125-25-PPSA-N3	
163498	DNC-125-40-PPV-A	1804662	DSBC-125-40-PPSA-N3	
163499	DNC-125-50-PPV-A	1804663	DSBC-125-50-PPSA-N3	
163500	DNC-125-80-PPV-A	1804664	DSBC-125-80-PPSA-N3	
163501	DNC-125-100-PPV-A	1804665	DSBC-125-100-PPSA-N3	
163502	DNC-125-125-PPV-A	1804666	DSBC-125-125-PPSA-N3	
163503	DNC-125-160-PPV-A	1804667	DSBC-125-160-PPSA-N3	
163504	DNC-125-200-PPV-A	1804668	DSBC-125-200-PPSA-N3	
163505	DNC-125-250-PPV-A	1804669	DSBC-125-250-PPSA-N3	
163506	DNC-125-320-PPV-A	1804671	DSBC-125-320-PPSA-N3	
163507	DNC-125-400-PPV-A	1804672	DSBC-125-400-PPSA-N3	
163508	DNC-125-500-PPV-A	1804673	DSBC-125-500-PPSA-N3	

Round cylinders

Round cylinder

DSNU-...-PPV-A

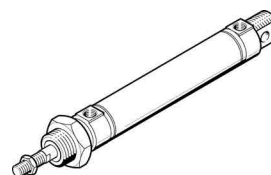
- Double-acting
- Pneumatic cushioning, adjustable at both ends



Round cylinder

DSNU-...-PPS-A

- Double-acting
- Position sensing
- Pneumatic cushioning, self-adjusting at both ends



Difference:

- Pneumatic cushioning, self-adjusting at both ends

**With
PPS cushioning**

self-adjusting, clean, safe.

Part no.	Product type	Part no.	Alternative product type	Product comparison
196020	DSNU-32-25-PPV-A	559295	DSNU-32-25-PPS-A	
196021	DSNU-32-40-PPV-A	559296	DSNU-32-40-PPS-A	
196022	DSNU-32-50-PPV-A	559297	DSNU-32-50-PPS-A	
196023	DSNU-32-80-PPV-A	559298	DSNU-32-80-PPS-A	
196024	DSNU-32-100-PPV-A	559299	DSNU-32-100-PPS-A	
196025	DSNU-32-125-PPV-A	559300	DSNU-32-125-PPS-A	
196026	DSNU-32-160-PPV-A	559301	DSNU-32-160-PPS-A	
196027	DSNU-32-200-PPV-A	559302	DSNU-32-200-PPS-A	
196028	DSNU-32-250-PPV-A	559303	DSNU-32-250-PPS-A	
196029	DSNU-32-320-PPV-A	559304	DSNU-32-320-PPS-A	
196030	DSNU-40-25-PPV-A	559305	DSNU-40-25-PPS-A	
196031	DSNU-40-40-PPV-A	559306	DSNU-40-40-PPS-A	
196032	DSNU-40-50-PPV-A	559307	DSNU-40-50-PPS-A	
196033	DSNU-40-80-PPV-A	559308	DSNU-40-80-PPS-A	
196034	DSNU-40-100-PPV-A	559309	DSNU-40-100-PPS-A	
196035	DSNU-40-125-PPV-A	559310	DSNU-40-125-PPS-A	
196036	DSNU-40-160-PPV-A	559311	DSNU-40-160-PPS-A	
196037	DSNU-40-200-PPV-A	559312	DSNU-40-200-PPS-A	
196038	DSNU-40-250-PPV-A	559313	DSNU-40-250-PPS-A	
196039	DSNU-40-320-PPV-A	559314	DSNU-40-320-PPS-A	
196040	DSNU-50-25-PPV-A	559315	DSNU-50-25-PPS-A	
196041	DSNU-50-40-PPV-A	559316	DSNU-50-40-PPS-A	
196042	DSNU-50-50-PPV-A	559317	DSNU-50-50-PPS-A	
196043	DSNU-50-80-PPV-A	559318	DSNU-50-80-PPS-A	
196044	DSNU-50-100-PPV-A	559319	DSNU-50-100-PPS-A	
196045	DSNU-50-125-PPV-A	559320	DSNU-50-125-PPS-A	
196046	DSNU-50-160-PPV-A	559321	DSNU-50-160-PPS-A	
196047	DSNU-50-200-PPV-A	559322	DSNU-50-200-PPS-A	
196048	DSNU-50-250-PPV-A	559323	DSNU-50-250-PPS-A	
196049	DSNU-50-320-PPV-A	559324	DSNU-50-320-PPS-A	

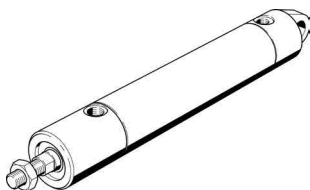
Round cylinder
DSNU-....PPV-A

Round cylinder
DSNU-....PPS-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
196050	DSNU-63-25-PPV-A	559325	DSNU-63-25-PPS-A	
196051	DSNU-63-40-PPV-A	559326	DSNU-63-40-PPS-A	
196052	DSNU-63-50-PPV-A	559327	DSNU-63-50-PPS-A	
196053	DSNU-63-80-PPV-A	559328	DSNU-63-80-PPS-A	
196054	DSNU-63-100-PPV-A	559329	DSNU-63-100-PPS-A	
196055	DSNU-63-125-PPV-A	559330	DSNU-63-125-PPS-A	
196056	DSNU-63-160-PPV-A	559331	DSNU-63-160-PPS-A	
196057	DSNU-63-200-PPV-A	559332	DSNU-63-200-PPS-A	
196058	DSNU-63-250-PPV-A	559333	DSNU-63-250-PPS-A	
196059	DSNU-63-320-PPV-A	559334	DSNU-63-320-PPS-A	

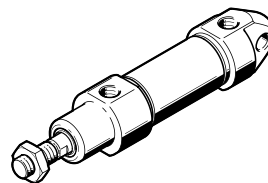
Round cylinder
CRHD-....PPV-A-..

- Double-acting
- Corrosion resistant
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Round cylinders
CRDSNU-....PPS-...A-..

- Double-acting
- Corrosion resistant
- Position sensing
- Pneumatic cushioning, self-adjusting at both ends



**With
PPS cushioning**

self-adjusting, clean, safe.

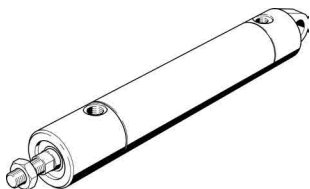
Difference:

- Lower-cost stainless steel cylinder type
- Different external dimensions and mounting dimensions
- Pneumatic cushioning, self-adjusting at both ends

Part no.	Product type	Part no.	Alternative product type	Product comparison
195519	CRHD-32-100-PPV-A-MS	552791	CRDSNU-32-100-PPS-A-MG	
195520	CRHD-40-100-PPV-A-MS	552792	CRDSNU-40-100-PPS-A-MG	
195521	CRHD-50-100-PPV-A-MS	552793	CRDSNU-50-100-PPS-A-MG	
195522	CRHD-63-100-PPV-A-MS	552794	CRDSNU-63-100-PPS-A-MG	

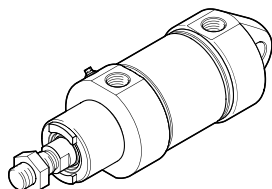
**Round cylinder
CRHD-...-PPV-A-..**

- Double-acting
- Corrosion resistant
- Position sensing
- Pneumatic cushioning, adjustable at both ends



**Round cylinder
CRDSNU-...-PPV-A**

- Double-acting
- Corrosion resistant
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Difference:

- Lower-cost stainless steel cylinder type
- Different external dimensions and mounting dimensions

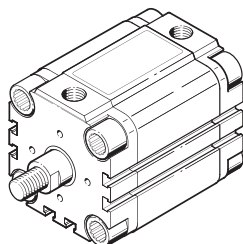
Part no.	Product type	Part no.	Alternative product type	Product comparison
195519	CRHD-32-100-PPV-A-MS	552791	CRDSNU-32-100-PPV-A-MG	
195520	CRHD-40-100-PPV-A-MS	552792	CRDSNU-40-100-PPV-A-MG	
195521	CRHD-50-100-PPV-A-MS	552793	CRDSNU-50-100-PPV-A-MG	
195522	CRHD-63-100-PPV-A-MS	552794	CRDSNU-63-100-PPV-A-MG	

Short stroke and compact cylinders

Compact cylinder

ADVU-...-A-P-A

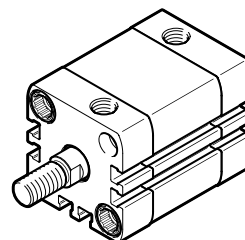
- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinders to ISO 21287

ADN-...-A-PPS-A

- Double-acting
- Position sensing
- Pneumatic cushioning, self-adjusting at both ends



Difference:

- Pneumatic cushioning, self-adjusting at both ends
- Different external dimensions and mounting dimensions

With
PPS cushioning

self-adjusting, clean, safe.

Part no.	Product type	Part no.	Alternative product type	Product comparison
156601	ADVU-20-10-A-P-A	577166	ADN-20-10-A-PPS-A	
156602	ADVU-20-15-A-P-A	577167	ADN-20-15-A-PPS-A	
156603	ADVU-20-20-A-P-A	577168	ADN-20-20-A-PPS-A	
156604	ADVU-20-25-A-P-A	577169	ADN-20-25-A-PPS-A	
156605	ADVU-20-30-A-P-A	577170	ADN-20-30-A-PPS-A	
156606	ADVU-20-40-A-P-A	577171	ADN-20-40-A-PPS-A	
156607	ADVU-20-50-A-P-A	577172	ADN-20-50-A-PPS-A	
–	–	577173	ADN-20-60-A-PPS-A	
156609	ADVU-25-10-A-P-A	577182	ADN-25-10-A-PPS-A	
156610	ADVU-25-15-A-P-A	577183	ADN-25-15-A-PPS-A	
156611	ADVU-25-20-A-P-A	577184	ADN-25-20-A-PPS-A	
156612	ADVU-25-25-A-P-A	577185	ADN-25-25-A-PPS-A	
156613	ADVU-25-30-A-P-A	577186	ADN-25-30-A-PPS-A	
156614	ADVU-25-40-A-P-A	577187	ADN-25-40-A-PPS-A	
156615	ADVU-25-50-A-P-A	577188	ADN-25-50-A-PPS-A	
–	–	577189	ADN-25-60-A-PPS-A	
156617	ADVU-32-10-A-P-A	572655	ADN-32-10-A-PPS-A	
156618	ADVU-32-15-A-P-A	572656	ADN-32-15-A-PPS-A	
156619	ADVU-32-20-A-P-A	572657	ADN-32-20-A-PPS-A	
156620	ADVU-32-25-A-P-A	572658	ADN-32-25-A-PPS-A	
156621	ADVU-32-30-A-P-A	572659	ADN-32-30-A-PPS-A	
156622	ADVU-32-40-A-P-A	572660	ADN-32-40-A-PPS-A	
156623	ADVU-32-50-A-P-A	572661	ADN-32-50-A-PPS-A	
156624	ADVU-32-60-A-P-A	572662	ADN-32-60-A-PPS-A	
156625	ADVU-32-80-A-P-A	572663	ADN-32-80-A-PPS-A	
156627	ADVU-40-10-A-P-A	572673	ADN-40-10-A-PPS-A	
156628	ADVU-40-15-A-P-A	572674	ADN-40-15-A-PPS-A	
156629	ADVU-40-20-A-P-A	572675	ADN-40-20-A-PPS-A	
156630	ADVU-40-25-A-P-A	572676	ADN-40-25-A-PPS-A	
156631	ADVU-40-30-A-P-A	572677	ADN-40-30-A-PPS-A	
156632	ADVU-40-40-A-P-A	572678	ADN-40-40-A-PPS-A	

Added value in detail » Short stroke and compact cylinders

Compact cylinder
ADVU-...-A-P-A

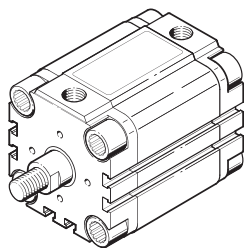
Compact cylinder to ISO 21287
ADN-...-A-PPS-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156633	ADVU-40-50-A-P-A	572679	ADN-40-50-A-PPS-A	
156634	ADVU-40-60-A-P-A	572680	ADN-40-60-A-PPS-A	
156635	ADVU-40-80-A-P-A	572681	ADN-40-80-A-PPS-A	
156636	ADVU-50-10-A-P-A	572691	ADN-50-10-A-PPS-A	
156637	ADVU-50-15-A-P-A	572692	ADN-50-15-A-PPS-A	
156638	ADVU-50-20-A-P-A	572693	ADN-50-20-A-PPS-A	
156639	ADVU-50-25-A-P-A	572694	ADN-50-25-A-PPS-A	
156640	ADVU-50-30-A-P-A	572695	ADN-50-30-A-PPS-A	
156641	ADVU-50-40-A-P-A	572696	ADN-50-40-A-PPS-A	
156642	ADVU-50-50-A-P-A	572697	ADN-50-50-A-PPS-A	
156643	ADVU-50-60-A-P-A	572698	ADN-50-60-A-PPS-A	
156644	ADVU-50-80-A-P-A	572699	ADN-50-80-A-PPS-A	
156645	ADVU-63-10-A-P-A	572709	ADN-63-10-A-PPS-A	
156646	ADVU-63-15-A-P-A	572710	ADN-63-15-A-PPS-A	
156647	ADVU-63-20-A-P-A	572711	ADN-63-20-A-PPS-A	
156648	ADVU-63-25-A-P-A	572712	ADN-63-25-A-PPS-A	
156649	ADVU-63-30-A-P-A	572713	ADN-63-30-A-PPS-A	
156650	ADVU-63-40-A-P-A	572714	ADN-63-40-A-PPS-A	
156651	ADVU-63-50-A-P-A	572715	ADN-63-50-A-PPS-A	
156652	ADVU-63-60-A-P-A	572716	ADN-63-60-A-PPS-A	
156653	ADVU-63-80-A-P-A	572717	ADN-63-80-A-PPS-A	
156654	ADVU-80-10-A-P-A	572727	ADN-80-10-A-PPS-A	
156655	ADVU-80-15-A-P-A	572728	ADN-80-15-A-PPS-A	
156656	ADVU-80-20-A-P-A	572729	ADN-80-20-A-PPS-A	
156657	ADVU-80-25-A-P-A	572730	ADN-80-25-A-PPS-A	
156658	ADVU-80-30-A-P-A	572731	ADN-80-30-A-PPS-A	
156659	ADVU-80-40-A-P-A	572732	ADN-80-40-A-PPS-A	
156660	ADVU-80-50-A-P-A	572733	ADN-80-50-A-PPS-A	
156661	ADVU-80-60-A-P-A	572734	ADN-80-60-A-PPS-A	
156662	ADVU-80-80-A-P-A	572735	ADN-80-80-A-PPS-A	
156663	ADVU-100-10-A-P-A	577199	ADN-100-10-A-PPS-A	
156664	ADVU-100-15-A-P-A	577200	ADN-100-15-A-PPS-A	
156665	ADVU-100-20-A-P-A	577201	ADN-100-20-A-PPS-A	
156666	ADVU-100-25-A-P-A	577202	ADN-100-25-A-PPS-A	
156667	ADVU-100-30-A-P-A	577203	ADN-100-30-A-PPS-A	
156668	ADVU-100-40-A-P-A	577204	ADN-100-40-A-PPS-A	
156669	ADVU-100-50-A-P-A	577205	ADN-100-50-A-PPS-A	
156670	ADVU-100-60-A-P-A	577206	ADN-100-60-A-PPS-A	
156671	ADVU-100-80-A-P-A	577207	ADN-100-80-A-PPS-A	

Compact cylinder

ADVU-...-A-P-A

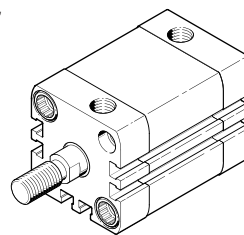
- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287

ADN-...-A-P-A

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- Different external dimensions and mounting dimensions

Part no.	Product type	Part no.	Alternative product type	Product comparison
156586	ADVU-12-5-A-P-A	536204	ADN-12-5-A-P-A	
156587	ADVU-12-10-A-P-A	536205	ADN-12-10-A-P-A	
156588	ADVU-12-15-A-P-A	536206	ADN-12-15-A-P-A	
156589	ADVU-12-20-A-P-A	536207	ADN-12-20-A-P-A	
156590	ADVU-12-25-A-P-A	536208	ADN-12-25-A-P-A	
156591	ADVU-12-30-A-P-A	536209	ADN-12-30-A-P-A	
156592	ADVU-12-40-A-P-A	536210	ADN-12-40-A-P-A	
156593	ADVU-16-5-A-P-A	536219	ADN-16-5-A-P-A	
156594	ADVU-16-10-A-P-A	536220	ADN-16-10-A-P-A	
156595	ADVU-16-15-A-P-A	536221	ADN-16-15-A-P-A	
156596	ADVU-16-20-A-P-A	536222	ADN-16-20-A-P-A	
156597	ADVU-16-25-A-P-A	536223	ADN-16-25-A-P-A	
156598	ADVU-16-30-A-P-A	536224	ADN-16-30-A-P-A	
156599	ADVU-16-40-A-P-A	536225	ADN-16-40-A-P-A	
156600	ADVU-20-5-A-P-A	536234	ADN-20-5-A-P-A	
156601	ADVU-20-10-A-P-A	536235	ADN-20-10-A-P-A	
156602	ADVU-20-15-A-P-A	536236	ADN-20-15-A-P-A	
156603	ADVU-20-20-A-P-A	536237	ADN-20-20-A-P-A	
156604	ADVU-20-25-A-P-A	536238	ADN-20-25-A-P-A	
156605	ADVU-20-30-A-P-A	536239	ADN-20-30-A-P-A	
156606	ADVU-20-40-A-P-A	536240	ADN-20-40-A-P-A	
156607	ADVU-20-50-A-P-A	536241	ADN-20-50-A-P-A	
156608	ADVU-25-5-A-P-A	536251	ADN-25-5-A-P-A	
156609	ADVU-25-10-A-P-A	536252	ADN-25-10-A-P-A	
156610	ADVU-25-15-A-P-A	536253	ADN-25-15-A-P-A	
156611	ADVU-25-20-A-P-A	536254	ADN-25-20-A-P-A	
156612	ADVU-25-25-A-P-A	536255	ADN-25-25-A-P-A	
156613	ADVU-25-30-A-P-A	536256	ADN-25-30-A-P-A	
156614	ADVU-25-40-A-P-A	536257	ADN-25-40-A-P-A	
156615	ADVU-25-50-A-P-A	536258	ADN-25-50-A-P-A	
156616	ADVU-32-5-A-P-A	536268	ADN-32-5-A-P-A	
156617	ADVU-32-10-A-P-A	536269	ADN-32-10-A-P-A	
156618	ADVU-32-15-A-P-A	536270	ADN-32-15-A-P-A	

Compact cylinder
ADVU-...-A-P-A

Compact cylinder to ISO 21287
ADN-...-A-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156619	ADVU-32-20-A-P-A	536271	ADN-32-20-A-P-A	
156620	ADVU-32-25-A-P-A	536272	ADN-32-25-A-P-A	
156621	ADVU-32-30-A-P-A	536273	ADN-32-30-A-P-A	
156622	ADVU-32-40-A-P-A	536274	ADN-32-40-A-P-A	
156623	ADVU-32-50-A-P-A	536275	ADN-32-50-A-P-A	
156624	ADVU-32-60-A-P-A	536276	ADN-32-60-A-P-A	
156625	ADVU-32-80-A-P-A	536277	ADN-32-80-A-P-A	
156626	ADVU-40-5-A-P-A	536289	ADN-40-5-A-P-A	
156627	ADVU-40-10-A-P-A	536290	ADN-40-10-A-P-A	
156628	ADVU-40-15-A-P-A	536291	ADN-40-15-A-P-A	
156629	ADVU-40-20-A-P-A	536292	ADN-40-20-A-P-A	
156630	ADVU-40-25-A-P-A	536293	ADN-40-25-A-P-A	
156631	ADVU-40-30-A-P-A	536294	ADN-40-30-A-P-A	
156632	ADVU-40-40-A-P-A	536295	ADN-40-40-A-P-A	
156633	ADVU-40-50-A-P-A	536296	ADN-40-50-A-P-A	
156634	ADVU-40-60-A-P-A	536297	ADN-40-60-A-P-A	
156635	ADVU-40-80-A-P-A	536298	ADN-40-80-A-P-A	
156636	ADVU-50-10-A-P-A	536311	ADN-50-10-A-P-A	
156637	ADVU-50-15-A-P-A	536312	ADN-50-15-A-P-A	
156638	ADVU-50-20-A-P-A	536313	ADN-50-20-A-P-A	
156639	ADVU-50-25-A-P-A	536314	ADN-50-25-A-P-A	
156640	ADVU-50-30-A-P-A	536315	ADN-50-30-A-P-A	
156641	ADVU-50-40-A-P-A	536316	ADN-50-40-A-P-A	
156642	ADVU-50-50-A-P-A	536317	ADN-50-50-A-P-A	
156643	ADVU-50-60-A-P-A	536318	ADN-50-60-A-P-A	
156644	ADVU-50-80-A-P-A	536319	ADN-50-80-A-P-A	
156645	ADVU-63-10-A-P-A	536332	ADN-63-10-A-P-A	
156646	ADVU-63-15-A-P-A	536333	ADN-63-15-A-P-A	
156647	ADVU-63-20-A-P-A	536334	ADN-63-20-A-P-A	
156648	ADVU-63-25-A-P-A	536335	ADN-63-25-A-P-A	
156649	ADVU-63-30-A-P-A	536336	ADN-63-30-A-P-A	
156650	ADVU-63-40-A-P-A	536337	ADN-63-40-A-P-A	
156651	ADVU-63-50-A-P-A	536338	ADN-63-50-A-P-A	
156652	ADVU-63-60-A-P-A	536339	ADN-63-60-A-P-A	
156653	ADVU-63-80-A-P-A	536340	ADN-63-80-A-P-A	
156654	ADVU-80-10-A-P-A	536353	ADN-80-10-A-P-A	
156655	ADVU-80-15-A-P-A	536354	ADN-80-15-A-P-A	
156656	ADVU-80-20-A-P-A	536355	ADN-80-20-A-P-A	
156657	ADVU-80-25-A-P-A	536356	ADN-80-25-A-P-A	
156658	ADVU-80-30-A-P-A	536357	ADN-80-30-A-P-A	

Compact cylinders
ADVU-...-A-P-A

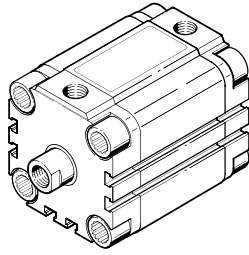
Compact cylinder to ISO 21287
ADN-...-A-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156659	ADVU-80-40-A-P-A	536358	ADN-80-40-A-P-A	
156660	ADVU-80-50-A-P-A	536359	ADN-80-50-A-P-A	
156661	ADVU-80-60-A-P-A	536360	ADN-80-60-A-P-A	
156662	ADVU-80-80-A-P-A	536361	ADN-80-80-A-P-A	
156663	ADVU-100-10-A-P-A	536374	ADN-100-10-A-P-A	
156664	ADVU-100-15-A-P-A	536375	ADN-100-15-A-P-A	
156665	ADVU-100-20-A-P-A	536376	ADN-100-20-A-P-A	
156666	ADVU-100-25-A-P-A	536377	ADN-100-25-A-P-A	
156667	ADVU-100-30-A-P-A	536378	ADN-100-30-A-P-A	
156668	ADVU-100-40-A-P-A	536379	ADN-100-40-A-P-A	
156669	ADVU-100-50-A-P-A	536380	ADN-100-50-A-P-A	
156670	ADVU-100-60-A-P-A	536381	ADN-100-60-A-P-A	
156671	ADVU-100-80-A-P-A	536382	ADN-100-80-A-P-A	
175762	ADVU-125-10-A-P-A	536393	ADN-125-10-A-P-A	
175763	ADVU-125-15-A-P-A	536393	ADN-125-15-A-P-A	
175764	ADVU-125-20-A-P-A	536393	ADN-125-20-A-P-A	
175765	ADVU-125-25-A-P-A	536393	ADN-125-25-A-P-A	
175766	ADVU-125-30-A-P-A	536393	ADN-125-30-A-P-A	
175767	ADVU-125-40-A-P-A	536393	ADN-125-40-A-P-A	
175768	ADVU-125-50-A-P-A	536393	ADN-125-50-A-P-A	
175769	ADVU-125-60-A-P-A	536393	ADN-125-60-A-P-A	
175770	ADVU-125-80-A-P-A	536393	ADN-125-80-A-P-A	

Compact cylinder

ADVU-...-P-A

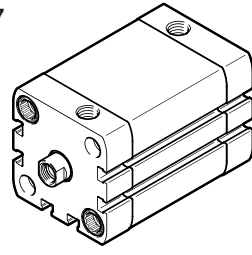
- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends
- Piston rod with female thread



Compact cylinder to ISO 21287

ADN-...-I-P-A

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends
- Piston rod with female thread



Difference:

- Different external dimensions and mounting dimensions

Part no.	Product type	Part no.	Alternative product type	Product comparison
156500	ADVU-12-5-P-A	536211	ADN-12-5-I-P-A	
156501	ADVU-12-10-P-A	536212	ADN-12-10-I-P-A	
156502	ADVU-12-15-P-A	536213	ADN-12-15-I-P-A	
156503	ADVU-12-20-P-A	536214	ADN-12-20-I-P-A	
156504	ADVU-12-25-P-A	536215	ADN-12-25-I-P-A	
156505	ADVU-12-30-P-A	536216	ADN-12-30-I-P-A	
156506	ADVU-12-40-P-A	536217	ADN-12-40-I-P-A	
156507	ADVU-16-5-P-A	536226	ADN-16-5-I-P-A	
156508	ADVU-16-10-P-A	536227	ADN-16-10-I-P-A	
156509	ADVU-16-15-P-A	536228	ADN-16-15-I-P-A	
156510	ADVU-16-20-P-A	536229	ADN-16-20-I-P-A	
156511	ADVU-16-25-P-A	536230	ADN-16-25-I-P-A	
156512	ADVU-16-30-P-A	536231	ADN-16-30-I-P-A	
156513	ADVU-16-40-P-A	536232	ADN-16-40-I-P-A	
156514	ADVU-20-5-P-A	536242	ADN-20-5-I-P-A	
156515	ADVU-20-10-P-A	536243	ADN-20-10-I-P-A	
156516	ADVU-20-15-P-A	536244	ADN-20-15-I-P-A	
156517	ADVU-20-20-P-A	536245	ADN-20-20-I-P-A	
156518	ADVU-20-25-P-A	536246	ADN-20-25-I-P-A	
156519	ADVU-20-30-P-A	536247	ADN-20-30-I-P-A	
156520	ADVU-20-40-P-A	536248	ADN-20-40-I-P-A	
156521	ADVU-20-50-P-A	536249	ADN-20-50-I-P-A	
156522	ADVU-25-5-P-A	536259	ADN-25-5-I-P-A	
156523	ADVU-25-10-P-A	536260	ADN-25-10-I-P-A	
156524	ADVU-25-15-P-A	536261	ADN-25-15-I-P-A	
156525	ADVU-25-20-P-A	536262	ADN-25-20-I-P-A	
156526	ADVU-25-25-P-A	536263	ADN-25-25-I-P-A	
156527	ADVU-25-30-P-A	536264	ADN-25-30-I-P-A	
156528	ADVU-25-40-P-A	536265	ADN-25-40-I-P-A	
156529	ADVU-25-50-P-A	536266	ADN-25-50-I-P-A	
576041	ADVU-25-100-P-A	536266	ADN-25-50-I-P-A	

Added value in detail » Short stroke and compact cylinders

Compact cylinder
ADVU-...-P-A

Compact cylinder to ISO 21287
ADN-...-I-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156530	ADVU-32-5-P-A	536278	ADN-32-5-I-P-A	
156531	ADVU-32-10-P-A	536279	ADN-32-10-I-P-A	
156532	ADVU-32-15-P-A	536280	ADN-32-15-I-P-A	
156533	ADVU-32-20-P-A	536281	ADN-32-20-I-P-A	
156534	ADVU-32-25-P-A	536282	ADN-32-25-I-P-A	
156535	ADVU-32-30-P-A	536283	ADN-32-30-I-P-A	
156536	ADVU-32-40-P-A	536284	ADN-32-40-I-P-A	
156537	ADVU-32-50-P-A	536285	ADN-32-50-I-P-A	
156538	ADVU-32-60-P-A	536286	ADN-32-60-I-P-A	
156539	ADVU-32-80-P-A	536287	ADN-32-80-I-P-A	
156540	ADVU-40-5-P-A	536299	ADN-40-5-I-P-A	
156541	ADVU-40-10-P-A	536300	ADN-40-10-I-P-A	
156542	ADVU-40-15-P-A	536301	ADN-40-15-I-P-A	
156543	ADVU-40-20-P-A	536302	ADN-40-20-I-P-A	
156544	ADVU-40-25-P-A	536303	ADN-40-25-I-P-A	
156545	ADVU-40-30-P-A	536304	ADN-40-30-I-P-A	
156546	ADVU-40-40-P-A	536305	ADN-40-40-I-P-A	
156547	ADVU-40-50-P-A	536306	ADN-40-50-I-P-A	
156548	ADVU-40-60-P-A	536307	ADN-40-60-I-P-A	
156549	ADVU-40-80-P-A	536308	ADN-40-80-I-P-A	
156550	ADVU-50-10-P-A	536321	ADN-50-10-I-P-A	
156551	ADVU-50-15-P-A	536322	ADN-50-15-I-P-A	
156552	ADVU-50-20-P-A	536323	ADN-50-20-I-P-A	
156553	ADVU-50-25-P-A	536324	ADN-50-25-I-P-A	
156554	ADVU-50-30-P-A	536325	ADN-50-30-I-P-A	
156555	ADVU-50-40-P-A	536326	ADN-50-40-I-P-A	
156556	ADVU-50-50-P-A	536327	ADN-50-50-I-P-A	
156557	ADVU-50-60-P-A	536328	ADN-50-60-I-P-A	
156558	ADVU-50-80-P-A	536329	ADN-50-80-I-P-A	
156559	ADVU-63-10-P-A	536342	ADN-63-10-I-P-A	
156560	ADVU-63-15-P-A	536343	ADN-63-15-I-P-A	
156561	ADVU-63-20-P-A	536344	ADN-63-20-I-P-A	
156562	ADVU-63-25-P-A	536345	ADN-63-25-I-P-A	
156563	ADVU-63-30-P-A	536346	ADN-63-30-I-P-A	
156564	ADVU-63-40-P-A	536347	ADN-63-40-I-P-A	
156565	ADVU-63-50-P-A	536348	ADN-63-50-I-P-A	
156566	ADVU-63-60-P-A	536349	ADN-63-60-I-P-A	
156567	ADVU-63-80-P-A	536350	ADN-63-80-I-P-A	
156568	ADVU-80-10-P-A	536363	ADN-80-10-I-P-A	
156569	ADVU-80-15-P-A	536364	ADN-80-15-I-P-A	

Compact cylinder
ADVU-...-P-A

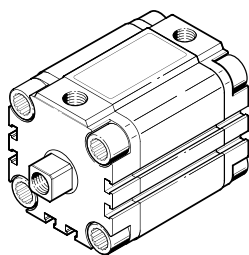
Compact cylinder to ISO 21287
ADN-...-I-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156570	ADVU-80-20-P-A	536365	ADN-80-20-I-P-A	
156571	ADVU-80-25-P-A	536366	ADN-80-25-I-P-A	
156572	ADVU-80-30-P-A	536367	ADN-80-30-I-P-A	
156573	ADVU-80-40-P-A	536368	ADN-80-40-I-P-A	
156574	ADVU-80-50-P-A	536369	ADN-80-50-I-P-A	
156575	ADVU-80-60-P-A	536370	ADN-80-60-I-P-A	
156576	ADVU-80-80-P-A	536371	ADN-80-80-I-P-A	
156577	ADVU-100-10-P-A	536384	ADN-100-10-I-P-A	
156578	ADVU-100-15-P-A	536385	ADN-100-15-I-P-A	
156579	ADVU-100-20-P-A	536386	ADN-100-20-I-P-A	
156580	ADVU-100-25-P-A	536387	ADN-100-25-I-P-A	
156581	ADVU-100-30-P-A	536388	ADN-100-30-I-P-A	
156582	ADVU-100-40-P-A	536389	ADN-100-40-I-P-A	
156583	ADVU-100-50-P-A	536390	ADN-100-50-I-P-A	
156584	ADVU-100-60-P-A	536391	ADN-100-60-I-P-A	
156585	ADVU-100-80-P-A	536392	ADN-100-80-I-P-A	
175750	ADVU-125-10-P-A	536393	ADN-125-10-I-P-A	
175751	ADVU-125-15-P-A	536393	ADN-125-15-I-P-A	
175752	ADVU-125-20-P-A	536393	ADN-125-20-I-P-A	
175753	ADVU-125-25-P-A	536393	ADN-125-25-I-P-A	
175754	ADVU-125-30-P-A	536393	ADN-125-30-I-P-A	
175755	ADVU-125-40-P-A	536393	ADN-125-40-I-P-A	
175756	ADVU-125-50-P-A	536393	ADN-125-50-I-P-A	
175757	ADVU-125-60-P-A	536393	ADN-125-60-I-P-A	
175758	ADVU-125-80-P-A	536393	ADN-125-80-I-P-A	

Compact cylinder

ADVULQ-...-P-A

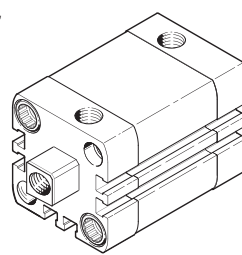
- Double-acting
- Piston rod protected against rotation
- Piston rod with female thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287

ADN-...-I-P-A-Q

- Double-acting
- Non-rotating piston rod
- Piston rod with female thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
156672	ADVULQ-12-5-P-A	536203	ADN-12-5-I-P-A-Q	
156673	ADVULQ-12-10-P-A	536203	ADN-12-10-I-P-A-Q	
156674	ADVULQ-12-15-P-A	536203	ADN-12-15-I-P-A-Q	
156675	ADVULQ-12-20-P-A	536203	ADN-12-20-I-P-A-Q	
156676	ADVULQ-12-25-P-A	536203	ADN-12-25-I-P-A-Q	
156677	ADVULQ-12-30-P-A	536203	ADN-12-30-I-P-A-Q	
156678	ADVULQ-12-40-P-A	536203	ADN-12-40-I-P-A-Q	
156679	ADVULQ-16-5-P-A	536218	ADN-16-5-I-P-A-Q	
156680	ADVULQ-16-10-P-A	536218	ADN-16-10-I-P-A-Q	
156681	ADVULQ-16-15-P-A	536218	ADN-16-15-I-P-A-Q	
156682	ADVULQ-16-20-P-A	536218	ADN-16-20-I-P-A-Q	
156683	ADVULQ-16-25-P-A	536218	ADN-16-25-I-P-A-Q	
156684	ADVULQ-16-30-P-A	536218	ADN-16-30-I-P-A-Q	
156685	ADVULQ-16-40-P-A	536218	ADN-16-40-I-P-A-Q	
156686	ADVULQ-20-5-P-A	536233	ADN-20-5-I-P-A-Q	
156687	ADVULQ-20-10-P-A	536233	ADN-20-10-I-P-A-Q	
156688	ADVULQ-20-15-P-A	536233	ADN-20-15-I-P-A-Q	
156689	ADVULQ-20-20-P-A	536233	ADN-20-20-I-P-A-Q	
156690	ADVULQ-20-25-P-A	536233	ADN-20-25-I-P-A-Q	
156691	ADVULQ-20-30-P-A	536233	ADN-20-30-I-P-A-Q	
156692	ADVULQ-20-40-P-A	536233	ADN-20-40-I-P-A-Q	
156693	ADVULQ-20-50-P-A	536233	ADN-20-50-I-P-A-Q	
156694	ADVULQ-25-5-P-A	536250	ADN-25-5-I-P-A-Q	
156695	ADVULQ-25-10-P-A	536250	ADN-25-10-I-P-A-Q	
156696	ADVULQ-25-15-P-A	536250	ADN-25-15-I-P-A-Q	
156697	ADVULQ-25-20-P-A	536250	ADN-25-20-I-P-A-Q	
156698	ADVULQ-25-25-P-A	536250	ADN-25-25-I-P-A-Q	
156699	ADVULQ-25-30-P-A	536250	ADN-25-30-I-P-A-Q	
156700	ADVULQ-25-40-P-A	536250	ADN-25-40-I-P-A-Q	
156701	ADVULQ-25-50-P-A	536250	ADN-25-50-I-P-A-Q	

Added value in detail » Short stroke and compact cylinders

Compact cylinders ADVULQ-...-P-A

Compact cylinders to ISO 21287 ADN-...-I-P-A-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
156702	ADVULQ-32-5-P-A	536267	ADN-32-5-I-P-A-Q	
156703	ADVULQ-32-10-P-A	536267	ADN-32-10-I-P-A-Q	
156704	ADVULQ-32-15-P-A	536267	ADN-32-15-I-P-A-Q	
156705	ADVULQ-32-20-P-A	536267	ADN-32-20-I-P-A-Q	
156706	ADVULQ-32-25-P-A	536267	ADN-32-25-I-P-A-Q	
156707	ADVULQ-32-30-P-A	536267	ADN-32-30-I-P-A-Q	
156708	ADVULQ-32-40-P-A	536267	ADN-32-40-I-P-A-Q	
156709	ADVULQ-32-50-P-A	536267	ADN-32-50-I-P-A-Q	
156710	ADVULQ-32-60-P-A	536267	ADN-32-60-I-P-A-Q	
156711	ADVULQ-32-80-P-A	536267	ADN-32-80-I-P-A-Q	
156712	ADVULQ-40-5-P-A	536288	ADN-40-5-I-P-A-Q	
156713	ADVULQ-40-10-P-A	536288	ADN-40-10-I-P-A-Q	
156714	ADVULQ-40-15-P-A	536288	ADN-40-15-I-P-A-Q	
156715	ADVULQ-40-20-P-A	536288	ADN-40-20-I-P-A-Q	
156716	ADVULQ-40-25-P-A	536288	ADN-40-25-I-P-A-Q	
156717	ADVULQ-40-30-P-A	536288	ADN-40-30-I-P-A-Q	
156718	ADVULQ-40-40-P-A	536288	ADN-40-40-I-P-A-Q	
156719	ADVULQ-40-50-P-A	536288	ADN-40-50-I-P-A-Q	
156720	ADVULQ-40-60-P-A	536288	ADN-40-60-I-P-A-Q	
156721	ADVULQ-40-80-P-A	536288	ADN-40-80-I-P-A-Q	
156722	ADVULQ-50-10-P-A	536309	ADN-50-10-I-P-A-Q	
156723	ADVULQ-50-15-P-A	536309	ADN-50-15-I-P-A-Q	
156724	ADVULQ-50-20-P-A	536309	ADN-50-20-I-P-A-Q	
156725	ADVULQ-50-25-P-A	536309	ADN-50-25-I-P-A-Q	
156726	ADVULQ-50-30-P-A	536309	ADN-50-30-I-P-A-Q	
156727	ADVULQ-50-40-P-A	536309	ADN-50-40-I-P-A-Q	
156728	ADVULQ-50-50-P-A	536309	ADN-50-50-I-P-A-Q	
156729	ADVULQ-50-60-P-A	536309	ADN-50-60-I-P-A-Q	
156730	ADVULQ-50-80-P-A	536309	ADN-50-80-I-P-A-Q	
156731	ADVULQ-63-10-P-A	536330	ADN-63-10-I-P-A-Q	
156732	ADVULQ-63-15-P-A	536330	ADN-63-15-I-P-A-Q	
156733	ADVULQ-63-20-P-A	536330	ADN-63-20-I-P-A-Q	
156734	ADVULQ-63-25-P-A	536330	ADN-63-25-I-P-A-Q	
156735	ADVULQ-63-30-P-A	536330	ADN-63-30-I-P-A-Q	
156736	ADVULQ-63-40-P-A	536330	ADN-63-40-I-P-A-Q	
156737	ADVULQ-63-50-P-A	536330	ADN-63-50-I-P-A-Q	
156738	ADVULQ-63-60-P-A	536330	ADN-63-60-I-P-A-Q	
156739	ADVULQ-63-80-P-A	536330	ADN-63-80-I-P-A-Q	

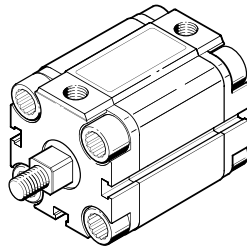
Compact cylinder
ADVULQ-...-P-A

Compact cylinder to ISO 21287
ADN-...-I-P-A-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
156740	ADVULQ-80-10-P-A	536351	ADN-80-10-I-P-A-Q	
156741	ADVULQ-80-15-P-A	536351	ADN-80-15-I-P-A-Q	
156742	ADVULQ-80-20-P-A	536351	ADN-80-20-I-P-A-Q	
156743	ADVULQ-80-25-P-A	536351	ADN-80-25-I-P-A-Q	
156744	ADVULQ-80-30-P-A	536351	ADN-80-30-I-P-A-Q	
156745	ADVULQ-80-40-P-A	536351	ADN-80-40-I-P-A-Q	
156746	ADVULQ-80-50-P-A	536351	ADN-80-50-I-P-A-Q	
156747	ADVULQ-80-60-P-A	536351	ADN-80-60-I-P-A-Q	
156748	ADVULQ-80-80-P-A	536351	ADN-80-80-I-P-A-Q	
156749	ADVULQ-100-10-P-A	536372	ADN-100-10-I-P-A-Q	
156750	ADVULQ-100-15-P-A	536372	ADN-100-15-I-P-A-Q	
156751	ADVULQ-100-20-P-A	536372	ADN-100-20-I-P-A-Q	
156752	ADVULQ-100-25-P-A	536372	ADN-100-25-I-P-A-Q	
156753	ADVULQ-100-30-P-A	536372	ADN-100-30-I-P-A-Q	
156754	ADVULQ-100-40-P-A	536372	ADN-100-40-I-P-A-Q	
156755	ADVULQ-100-50-P-A	536372	ADN-100-50-I-P-A-Q	
156756	ADVULQ-100-60-P-A	536372	ADN-100-60-I-P-A-Q	
156757	ADVULQ-100-80-P-A	536372	ADN-100-80-I-P-A-Q	

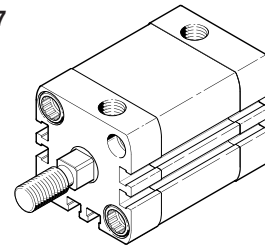
Compact cylinder
ADVULQ-...-A-P-A

- Double-acting
- Piston rod protected against rotation
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287
ADN-...-A-P-A-Q

- Double-acting
- Non-rotating piston rod
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
156758	ADVULQ-12-5-A-P-A	536203	ADN-12-5-A-P-A-Q	
156759	ADVULQ-12-10-A-P-A	536203	ADN-12-10-A-P-A-Q	
156760	ADVULQ-12-15-A-P-A	536203	ADN-12-15-A-P-A-Q	
156761	ADVULQ-12-20-A-P-A	536203	ADN-12-20-A-P-A-Q	
156762	ADVULQ-12-25-A-P-A	536203	ADN-12-25-A-P-A-Q	

Added value in detail » Short stroke and compact cylinders

Compact cylinders ADVULQ-...-A-P-A

Compact cylinder to ISO 21287 ADN-...-A-P-A-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
156763	ADVULQ-12-30-A-P-A	536203	ADN-12-30-A-P-A-Q	
156764	ADVULQ-12-40-A-P-A	536203	ADN-12-40-A-P-A-Q	
156765	ADVULQ-16-5-A-P-A	536218	ADN-16-5-A-P-A-Q	
156766	ADVULQ-16-10-A-P-A	536218	ADN-16-10-A-P-A-Q	
156767	ADVULQ-16-15-A-P-A	536218	ADN-16-15-A-P-A-Q	
156768	ADVULQ-16-20-A-P-A	536218	ADN-16-20-A-P-A-Q	
156769	ADVULQ-16-25-A-P-A	536218	ADN-16-25-A-P-A-Q	
156770	ADVULQ-16-30-A-P-A	536218	ADN-16-30-A-P-A-Q	
156771	ADVULQ-16-40-A-P-A	536218	ADN-16-40-A-P-A-Q	
156772	ADVULQ-20-5-A-P-A	536233	ADN-20-5-A-P-A-Q	
156773	ADVULQ-20-10-A-P-A	536233	ADN-20-10-A-P-A-Q	
156774	ADVULQ-20-15-A-P-A	536233	ADN-20-15-A-P-A-Q	
156775	ADVULQ-20-20-A-P-A	536233	ADN-20-20-A-P-A-Q	
156776	ADVULQ-20-25-A-P-A	536233	ADN-20-25-A-P-A-Q	
156777	ADVULQ-20-30-A-P-A	536233	ADN-20-30-A-P-A-Q	
156778	ADVULQ-20-40-A-P-A	536233	ADN-20-40-A-P-A-Q	
156779	ADVULQ-20-50-A-P-A	536233	ADN-20-50-A-P-A-Q	
156780	ADVULQ-25-5-A-P-A	536250	ADN-25-5-A-P-A-Q	
156781	ADVULQ-25-10-A-P-A	536250	ADN-25-10-A-P-A-Q	
156782	ADVULQ-25-15-A-P-A	536250	ADN-25-15-A-P-A-Q	
156783	ADVULQ-25-20-A-P-A	536250	ADN-25-20-A-P-A-Q	
156784	ADVULQ-25-25-A-P-A	536250	ADN-25-25-A-P-A-Q	
156785	ADVULQ-25-30-A-P-A	536250	ADN-25-30-A-P-A-Q	
156786	ADVULQ-25-40-A-P-A	536250	ADN-25-40-A-P-A-Q	
156787	ADVULQ-25-50-A-P-A	536250	ADN-25-50-A-P-A-Q	
156788	ADVULQ-32-5-A-P-A	536267	ADN-32-5-A-P-A-Q	
156789	ADVULQ-32-10-A-P-A	536267	ADN-32-10-A-P-A-Q	
156790	ADVULQ-32-15-A-P-A	536267	ADN-32-15-A-P-A-Q	
156791	ADVULQ-32-20-A-P-A	536267	ADN-32-20-A-P-A-Q	
156792	ADVULQ-32-25-A-P-A	536267	ADN-32-25-A-P-A-Q	
156793	ADVULQ-32-30-A-P-A	536267	ADN-32-30-A-P-A-Q	
156794	ADVULQ-32-40-A-P-A	536267	ADN-32-40-A-P-A-Q	
156795	ADVULQ-32-50-A-P-A	536267	ADN-32-50-A-P-A-Q	
156796	ADVULQ-32-60-A-P-A	536267	ADN-32-60-A-P-A-Q	
156797	ADVULQ-32-80-A-P-A	536267	ADN-32-80-A-P-A-Q	
156798	ADVULQ-40-5-A-P-A	536288	ADN-40-5-A-P-A-Q	
156799	ADVULQ-40-10-A-P-A	536288	ADN-40-10-A-P-A-Q	
156800	ADVULQ-40-15-A-P-A	536288	ADN-40-15-A-P-A-Q	
156801	ADVULQ-40-20-A-P-A	536288	ADN-40-20-A-P-A-Q	

Compact cylinder
ADVULQ-...-A-P-A

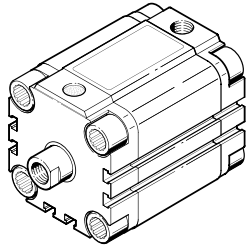
Compact cylinder to ISO 21287
ADN-...-A-P-A-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
156802	ADVULQ-40-25-A-P-A	536288	ADN-40-25-A-P-A-Q	
156803	ADVULQ-40-30-A-P-A	536288	ADN-40-30-A-P-A-Q	
156804	ADVULQ-40-40-A-P-A	536288	ADN-40-40-A-P-A-Q	
156805	ADVULQ-40-50-A-P-A	536288	ADN-40-50-A-P-A-Q	
156806	ADVULQ-40-60-A-P-A	536288	ADN-40-60-A-P-A-Q	
156807	ADVULQ-40-80-A-P-A	536288	ADN-40-80-A-P-A-Q	
156808	ADVULQ-50-10-A-P-A	536309	ADN-50-10-A-P-A-Q	
156809	ADVULQ-50-15-A-P-A	536309	ADN-50-15-A-P-A-Q	
156810	ADVULQ-50-20-A-P-A	536309	ADN-50-20-A-P-A-Q	
156811	ADVULQ-50-25-A-P-A	536309	ADN-50-25-A-P-A-Q	
156812	ADVULQ-50-30-A-P-A	536309	ADN-50-30-A-P-A-Q	
156813	ADVULQ-50-40-A-P-A	536309	ADN-50-40-A-P-A-Q	
156814	ADVULQ-50-50-A-P-A	536309	ADN-50-50-A-P-A-Q	
156815	ADVULQ-50-60-A-P-A	536309	ADN-50-60-A-P-A-Q	
156816	ADVULQ-50-80-A-P-A	536309	ADN-50-80-A-P-A-Q	
156817	ADVULQ-63-10-A-P-A	536330	ADN-63-10-A-P-A-Q	
156818	ADVULQ-63-15-A-P-A	536330	ADN-63-15-A-P-A-Q	
156819	ADVULQ-63-20-A-P-A	536330	ADN-63-20-A-P-A-Q	
156820	ADVULQ-63-25-A-P-A	536330	ADN-63-25-A-P-A-Q	
156821	ADVULQ-63-30-A-P-A	536330	ADN-63-30-A-P-A-Q	
156822	ADVULQ-63-40-A-P-A	536330	ADN-63-40-A-P-A-Q	
156823	ADVULQ-63-50-A-P-A	536330	ADN-63-50-A-P-A-Q	
156824	ADVULQ-63-60-A-P-A	536330	ADN-63-60-A-P-A-Q	
156825	ADVULQ-63-80-A-P-A	536330	ADN-63-80-A-P-A-Q	
156826	ADVULQ-80-10-A-P-A	536351	ADN-80-10-A-P-A-Q	
156827	ADVULQ-80-15-A-P-A	536351	ADN-80-15-A-P-A-Q	
156828	ADVULQ-80-20-A-P-A	536351	ADN-80-20-A-P-A-Q	
156829	ADVULQ-80-25-A-P-A	536351	ADN-80-25-A-P-A-Q	
156830	ADVULQ-80-30-A-P-A	536351	ADN-80-30-A-P-A-Q	
156831	ADVULQ-80-40-A-P-A	536351	ADN-80-40-A-P-A-Q	
156832	ADVULQ-80-50-A-P-A	536351	ADN-80-50-A-P-A-Q	
156833	ADVULQ-80-60-A-P-A	536351	ADN-80-60-A-P-A-Q	
156834	ADVULQ-80-80-A-P-A	536351	ADN-80-80-A-P-A-Q	
156835	ADVULQ-100-10-A-P-A	536372	ADN-100-10-A-P-A-Q	
156836	ADVULQ-100-15-A-P-A	536372	ADN-100-15-A-P-A-Q	
156837	ADVULQ-100-20-A-P-A	536372	ADN-100-20-A-P-A-Q	
156838	ADVULQ-100-25-A-P-A	536372	ADN-100-25-A-P-A-Q	
156839	ADVULQ-100-30-A-P-A	536372	ADN-100-30-A-P-A-Q	
156840	ADVULQ-100-40-A-P-A	536372	ADN-100-40-A-P-A-Q	
156841	ADVULQ-100-50-A-P-A	536372	ADN-100-50-A-P-A-Q	
156842	ADVULQ-100-60-A-P-A	536372	ADN-100-60-A-P-A-Q	
156843	ADVULQ-100-80-A-P-A	536372	ADN-100-80-A-P-A-Q	

Compact cylinder

AEVU-...-P-A

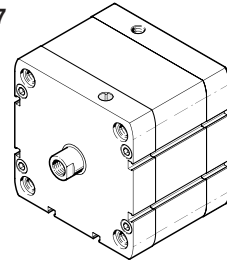
- Single-acting
- Piston rod with female thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287

AEN-...-I-P-A

- Single-acting
- Piston rod with female thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
156930	AEVU-12-5-P-A	536414	AEN-12-5-I-P-A	
156931	AEVU-12-10-P-A	536414	AEN-12-10-I-P-A	
156935	AEVU-16-5-P-A	536415	AEN-16-5-I-P-A	
156936	AEVU-16-10-P-A	536415	AEN-16-10-I-P-A	
156937	AEVU-16-15-P-A	536415	AEN-16-15-I-P-A	
156938	AEVU-16-20-P-A	536415	AEN-16-20-I-P-A	
156939	AEVU-16-25-P-A	536415	AEN-16-25-I-P-A	
156940	AEVU-20-5-P-A	536416	AEN-20-5-I-P-A	
156941	AEVU-20-10-P-A	536416	AEN-20-10-I-P-A	
156942	AEVU-20-15-P-A	536416	AEN-20-15-I-P-A	
156943	AEVU-20-20-P-A	536416	AEN-20-20-I-P-A	
156944	AEVU-20-25-P-A	536416	AEN-20-25-I-P-A	
156945	AEVU-25-5-P-A	536417	AEN-25-5-I-P-A	
156946	AEVU-25-10-P-A	536417	AEN-25-10-I-P-A	
156947	AEVU-25-15-P-A	536417	AEN-25-15-I-P-A	
156948	AEVU-25-20-P-A	536417	AEN-25-20-I-P-A	
156949	AEVU-25-25-P-A	536417	AEN-25-25-I-P-A	
156950	AEVU-32-5-P-A	536418	AEN-32-5-I-P-A	
156951	AEVU-32-10-P-A	536418	AEN-32-10-I-P-A	
156952	AEVU-32-15-P-A	536418	AEN-32-15-I-P-A	
156953	AEVU-32-20-P-A	536418	AEN-32-20-I-P-A	
156954	AEVU-32-25-P-A	536418	AEN-32-25-I-P-A	
156955	AEVU-40-5-P-A	536419	AEN-40-5-I-P-A	
156956	AEVU-40-10-P-A	536419	AEN-40-10-I-P-A	
156957	AEVU-40-15-P-A	536419	AEN-40-15-I-P-A	
156958	AEVU-40-20-P-A	536419	AEN-40-20-I-P-A	
156959	AEVU-40-25-P-A	536419	AEN-40-25-I-P-A	
156960	AEVU-50-10-P-A	536420	AEN-50-10-I-P-A	
156961	AEVU-50-15-P-A	536420	AEN-50-15-I-P-A	
156962	AEVU-50-20-P-A	536420	AEN-50-20-I-P-A	
156963	AEVU-50-25-P-A	536420	AEN-50-25-I-P-A	

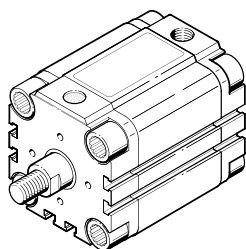
Compact cylinder
AEVU-...-P-A

Compact cylinder to ISO 21287
AEN-...-I-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156964	AEVU-63-10-P-A	536421	AEN-63-10-I-P-A	
156965	AEVU-63-15-P-A	536421	AEN-63-15-I-P-A	
156966	AEVU-63-20-P-A	536421	AEN-63-20-I-P-A	
156967	AEVU-63-25-P-A	536421	AEN-63-25-I-P-A	
156968	AEVU-80-10-P-A	536422	AEN-80-10-I-P-A	
156969	AEVU-80-15-P-A	536422	AEN-80-15-I-P-A	
156970	AEVU-80-20-P-A	536422	AEN-80-20-I-P-A	
156971	AEVU-80-25-P-A	536422	AEN-80-25-I-P-A	
156972	AEVU-100-10-P-A	536423	AEN-100-10-I-P-A	
156973	AEVU-100-15-P-A	536423	AEN-100-15-I-P-A	
156974	AEVU-100-20-P-A	536423	AEN-100-20-I-P-A	
156975	AEVU-100-25-P-A	536423	AEN-100-25-I-P-A	

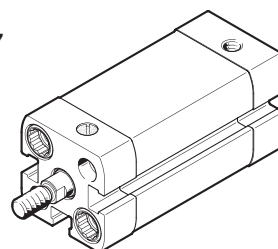
Compact cylinder
AEVU-...-A-P-A

- Single-acting
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287
AEN-...-A-P-A

- Single-acting
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
156976	AEVU-12-5-A-P-A	536414	AEN-12-5-A-P-A	
156977	AEVU-12-10-A-P-A	536414	AEN-12-10-A-P-A	
156981	AEVU-16-5-A-P-A	536415	AEN-16-5-A-P-A	
156982	AEVU-16-10-A-P-A	536415	AEN-16-10-A-P-A	
156983	AEVU-16-15-A-P-A	536415	AEN-16-15-A-P-A	
156984	AEVU-16-20-A-P-A	536415	AEN-16-20-A-P-A	
156985	AEVU-16-25-A-P-A	536415	AEN-16-25-A-P-A	

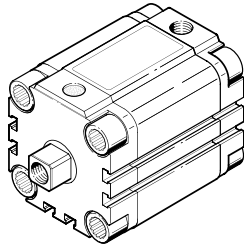
Compact cylinders
AEVU-...-A-P-A

Compact cylinders to ISO 21287
AEN-...-A-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156986	AEVU-20-5-A-P-A	536416	AEN-20-5-A-P-A	
156987	AEVU-20-10-A-P-A	536416	AEN-20-10-A-P-A	
156988	AEVU-20-15-A-P-A	536416	AEN-20-15-A-P-A	
156989	AEVU-20-20-A-P-A	536416	AEN-20-20-A-P-A	
156990	AEVU-20-25-A-P-A	536416	AEN-20-25-A-P-A	
156991	AEVU-25-5-A-P-A	536417	AEN-25-5-A-P-A	
156992	AEVU-25-10-A-P-A	536417	AEN-25-10-A-P-A	
156993	AEVU-25-15-A-P-A	536417	AEN-25-15-A-P-A	
156994	AEVU-25-20-A-P-A	536417	AEN-25-20-A-P-A	
156995	AEVU-25-25-A-P-A	536417	AEN-25-25-A-P-A	
156996	AEVU-32-5-A-P-A	536418	AEN-32-5-A-P-A	
156997	AEVU-32-10-A-P-A	536418	AEN-32-10-A-P-A	
156998	AEVU-32-15-A-P-A	536418	AEN-32-15-A-P-A	
156999	AEVU-32-20-A-P-A	536418	AEN-32-20-A-P-A	
157000	AEVU-32-25-A-P-A	536418	AEN-32-25-A-P-A	
157001	AEVU-40-5-A-P-A	536419	AEN-40-5-A-P-A	
157002	AEVU-40-10-A-P-A	536419	AEN-40-10-A-P-A	
157003	AEVU-40-15-A-P-A	536419	AEN-40-15-A-P-A	
157004	AEVU-40-20-A-P-A	536419	AEN-40-20-A-P-A	
157005	AEVU-40-25-A-P-A	536419	AEN-40-25-A-P-A	
157006	AEVU-50-10-A-P-A	536420	AEN-50-10-A-P-A	
157007	AEVU-50-15-A-P-A	536420	AEN-50-15-A-P-A	
157008	AEVU-50-20-A-P-A	536420	AEN-50-20-A-P-A	
157009	AEVU-50-25-A-P-A	536420	AEN-50-25-A-P-A	
157010	AEVU-63-10-A-P-A	536421	AEN-63-10-A-P-A	
157011	AEVU-63-15-A-P-A	536421	AEN-63-15-A-P-A	
157012	AEVU-63-20-A-P-A	536421	AEN-63-20-A-P-A	
157013	AEVU-63-25-A-P-A	536421	AEN-63-25-A-P-A	
157014	AEVU-80-10-A-P-A	536422	AEN-80-10-A-P-A	
157015	AEVU-80-15-A-P-A	536422	AEN-80-15-A-P-A	
157016	AEVU-80-20-A-P-A	536422	AEN-80-20-A-P-A	
157017	AEVU-80-25-A-P-A	536422	AEN-80-25-A-P-A	
157018	AEVU-100-10-A-P-A	536423	AEN-100-10-A-P-A	
157019	AEVU-100-15-A-P-A	536423	AEN-100-15-A-P-A	
157020	AEVU-100-20-A-P-A	536423	AEN-100-20-A-P-A	
157021	AEVU-100-25-A-P-A	536423	AEN-100-25-A-P-A	

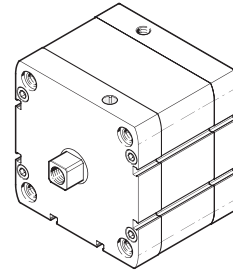
Compact cylinder
AEVULQ-...-P-A

- Single-acting
- Piston rod protected against rotation
- Piston rod with internal thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinders to ISO 21287
AEN-...-I-P-A-Q

- Single-acting
- Piston rod protected against rotation
- Piston rod with female thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
157027	AEVULQ-16-5-P-A	536415	AEN-16-5-I-P-A-Q	
157028	AEVULQ-16-10-P-A	536415	AEN-16-10-I-P-A-Q	
157029	AEVULQ-16-15-P-A	536415	AEN-16-15-I-P-A-Q	
157030	AEVULQ-16-20-P-A	536415	AEN-16-20-I-P-A-Q	
157031	AEVULQ-16-25-P-A	536415	AEN-16-25-I-P-A-Q	
157032	AEVULQ-20-5-P-A	536416	AEN-20-5-I-P-A-Q	
157033	AEVULQ-20-10-P-A	536416	AEN-20-10-I-P-A-Q	
157034	AEVULQ-20-15-P-A	536416	AEN-20-15-I-P-A-Q	
157035	AEVULQ-20-20-P-A	536416	AEN-20-20-I-P-A-Q	
157036	AEVULQ-20-25-P-A	536416	AEN-20-25-I-P-A-Q	
157037	AEVULQ-25-5-P-A	536417	AEN-25-5-I-P-A-Q	
157038	AEVULQ-25-10-P-A	536417	AEN-25-10-I-P-A-Q	
157039	AEVULQ-25-15-P-A	536417	AEN-25-15-I-P-A-Q	
157040	AEVULQ-25-20-P-A	536417	AEN-25-20-I-P-A-Q	
157041	AEVULQ-25-25-P-A	536417	AEN-25-25-I-P-A-Q	
157042	AEVULQ-32-5-P-A	536418	AEN-32-5-I-P-A-Q	
157043	AEVULQ-32-10-P-A	536418	AEN-32-10-I-P-A-Q	
157044	AEVULQ-32-15-P-A	536418	AEN-32-15-I-P-A-Q	
157045	AEVULQ-32-20-P-A	536418	AEN-32-20-I-P-A-Q	
157046	AEVULQ-32-25-P-A	536418	AEN-32-25-I-P-A-Q	
157047	AEVULQ-40-5-P-A	536419	AEN-40-5-I-P-A-Q	
157048	AEVULQ-40-10-P-A	536419	AEN-40-10-I-P-A-Q	
157049	AEVULQ-40-15-P-A	536419	AEN-40-15-I-P-A-Q	
157050	AEVULQ-40-20-P-A	536419	AEN-40-20-I-P-A-Q	
157051	AEVULQ-40-25-P-A	536419	AEN-40-25-I-P-A-Q	
157052	AEVULQ-50-10-P-A	536420	AEN-50-10-I-P-A-Q	
157053	AEVULQ-50-15-P-A	536420	AEN-50-15-I-P-A-Q	
157054	AEVULQ-50-20-P-A	536420	AEN-50-20-I-P-A-Q	
157055	AEVULQ-50-25-P-A	536420	AEN-50-25-I-P-A-Q	

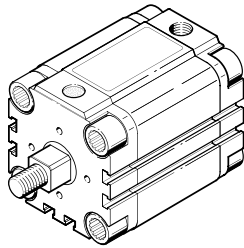
Compact cylinder
AEVULQ-....-P-A

Compact cylinder to ISO 21287
AEN-....-I-P-A-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
157056	AEVULQ-63-10-P-A	536421	AEN-63-10-I-P-A-Q	
157057	AEVULQ-63-15-P-A	536421	AEN-63-15-I-P-A-Q	
157058	AEVULQ-63-20-P-A	536421	AEN-63-20-I-P-A-Q	
157059	AEVULQ-63-25-P-A	536421	AEN-63-25-I-P-A-Q	
157060	AEVULQ-80-10-P-A	536422	AEN-80-10-I-P-A-Q	
157061	AEVULQ-80-15-P-A	536422	AEN-80-15-I-P-A-Q	
157062	AEVULQ-80-20-P-A	536422	AEN-80-20-I-P-A-Q	
157063	AEVULQ-80-25-P-A	536422	AEN-80-25-I-P-A-Q	
157064	AEVULQ-100-10-P-A	536423	AEN-100-10-I-P-A-Q	
157065	AEVULQ-100-15-P-A	536423	AEN-100-15-I-P-A-Q	
157066	AEVULQ-100-20-P-A	536423	AEN-100-20-I-P-A-Q	
157067	AEVULQ-100-25-P-A	536423	AEN-100-25-I-P-A-Q	

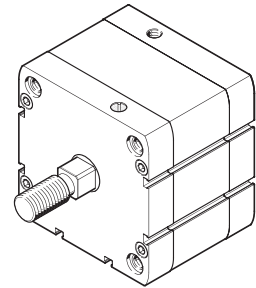
Compact cylinder
AEVULQ-....-A-P-A

- Single-acting
- Piston rod protected against rotation
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinders to ISO 21287
AEN-....-A-P-A-Q

- Single-acting
- Piston rod protected against rotation
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
157073	AEVULQ-16-5-A-P-A	536415	AEN-16-5-A-P-A-Q	
157074	AEVULQ-16-10-A-P-A	536415	AEN-16-10-A-P-A-Q	
157075	AEVULQ-16-15-A-P-A	536415	AEN-16-15-A-P-A-Q	
157076	AEVULQ-16-20-A-P-A	536415	AEN-16-20-A-P-A-Q	
157077	AEVULQ-16-25-A-P-A	536415	AEN-16-25-A-P-A-Q	
157078	AEVULQ-20-5-A-P-A	536416	AEN-20-5-A-P-A-Q	
157079	AEVULQ-20-10-A-P-A	536416	AEN-20-10-A-P-A-Q	
157080	AEVULQ-20-15-A-P-A	536416	AEN-20-15-A-P-A-Q	
157081	AEVULQ-20-20-A-P-A	536416	AEN-20-20-A-P-A-Q	
157082	AEVULQ-20-25-A-P-A	536416	AEN-20-25-A-P-A-Q	

Compact cylinder
AEVULQ-...-A-P-A

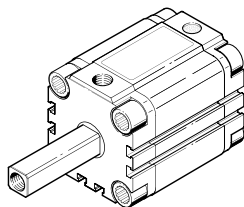
Compact cylinder to ISO 21287
AEN-...-A-P-A-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
157083	AEVULQ-25-5-A-P-A	536417	AEN-25-5-A-P-A-Q	
157084	AEVULQ-25-10-A-P-A	536417	AEN-25-10-A-P-A-Q	
157085	AEVULQ-25-15-A-P-A	536417	AEN-25-15-A-P-A-Q	
157086	AEVULQ-25-20-A-P-A	536417	AEN-25-20-A-P-A-Q	
157087	AEVULQ-25-25-A-P-A	536417	AEN-25-25-A-P-A-Q	
157088	AEVULQ-32-5-A-P-A	536418	AEN-32-5-A-P-A-Q	
157089	AEVULQ-32-10-A-P-A	536418	AEN-32-10-A-P-A-Q	
157090	AEVULQ-32-15-A-P-A	536418	AEN-32-15-A-P-A-Q	
157091	AEVULQ-32-20-A-P-A	536418	AEN-32-20-A-P-A-Q	
157092	AEVULQ-32-25-A-P-A	536418	AEN-32-25-A-P-A-Q	
157093	AEVULQ-40-5-A-P-A	536419	AEN-40-5-A-P-A-Q	
157094	AEVULQ-40-10-A-P-A	536419	AEN-40-10-A-P-A-Q	
157095	AEVULQ-40-15-A-P-A	536419	AEN-40-15-A-P-A-Q	
157096	AEVULQ-40-20-A-P-A	536419	AEN-40-20-A-P-A-Q	
157097	AEVULQ-40-25-A-P-A	536419	AEN-40-25-A-P-A-Q	
157098	AEVULQ-50-10-A-P-A	536420	AEN-50-10-A-P-A-Q	
157099	AEVULQ-50-15-A-P-A	536420	AEN-50-15-A-P-A-Q	
157100	AEVULQ-50-20-A-P-A	536420	AEN-50-20-A-P-A-Q	
157101	AEVULQ-50-25-A-P-A	536420	AEN-50-25-A-P-A-Q	
157102	AEVULQ-63-10-A-P-A	536421	AEN-63-10-A-P-A-Q	
157103	AEVULQ-63-15-A-P-A	536421	AEN-63-15-A-P-A-Q	
157104	AEVULQ-63-20-A-P-A	536421	AEN-63-20-A-P-A-Q	
157105	AEVULQ-63-25-A-P-A	536421	AEN-63-25-A-P-A-Q	
157106	AEVULQ-80-10-A-P-A	536422	AEN-80-10-A-P-A-Q	
157107	AEVULQ-80-15-A-P-A	536422	AEN-80-15-A-P-A-Q	
157108	AEVULQ-80-20-A-P-A	536422	AEN-80-20-A-P-A-Q	
157109	AEVULQ-80-25-A-P-A	536422	AEN-80-25-A-P-A-Q	
157110	AEVULQ-100-10-A-P-A	536423	AEN-100-10-A-P-A-Q	
157111	AEVULQ-100-15-A-P-A	536423	AEN-100-15-A-P-A-Q	
157112	AEVULQ-100-20-A-P-A	536423	AEN-100-20-A-P-A-Q	
157113	AEVULQ-100-25-A-P-A	536423	AEN-100-25-A-P-A-Q	

Compact cylinder

AEVULQZ-...-P-A

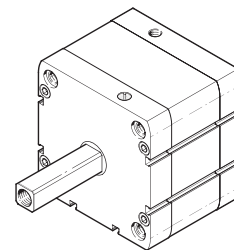
- Single-acting, pulling
- Piston rod protected against rotation
- Piston rod with internal thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287

AEN-...-I-P-A-Z-Q

- Single-acting, pulling
- Piston rod protected against rotation
- Piston rod with female thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
157119	AEVULQZ-16-5-P-A	536415	AEN-16-5-I-P-A-Z-Q	
157120	AEVULQZ-16-10-P-A	536415	AEN-16-10-I-P-A-Z-Q	
157121	AEVULQZ-16-15-P-A	536415	AEN-16-15-I-P-A-Z-Q	
157122	AEVULQZ-16-20-P-A	536415	AEN-16-20-I-P-A-Z-Q	
157123	AEVULQZ-16-25-P-A	536415	AEN-16-25-I-P-A-Z-Q	
157124	AEVULQZ-20-5-P-A	536416	AEN-20-5-I-P-A-Z-Q	
157125	AEVULQZ-20-10-P-A	536416	AEN-20-10-I-P-A-Z-Q	
157126	AEVULQZ-20-15-P-A	536416	AEN-20-15-I-P-A-Z-Q	
157127	AEVULQZ-20-20-P-A	536416	AEN-20-20-I-P-A-Z-Q	
157128	AEVULQZ-20-25-P-A	536416	AEN-20-25-I-P-A-Z-Q	
157129	AEVULQZ-25-5-P-A	536417	AEN-25-5-I-P-A-Z-Q	
157130	AEVULQZ-25-10-P-A	536417	AEN-25-10-I-P-A-Z-Q	
157131	AEVULQZ-25-15-P-A	536417	AEN-25-15-I-P-A-Z-Q	
157132	AEVULQZ-25-20-P-A	536417	AEN-25-20-I-P-A-Z-Q	
157133	AEVULQZ-25-25-P-A	536417	AEN-25-25-I-P-A-Z-Q	
157134	AEVULQZ-32-5-P-A	536418	AEN-32-5-I-P-A-Z-Q	
157135	AEVULQZ-32-10-P-A	536418	AEN-32-10-I-P-A-Z-Q	
157136	AEVULQZ-32-15-P-A	536418	AEN-32-15-I-P-A-Z-Q	
157137	AEVULQZ-32-20-P-A	536418	AEN-32-20-I-P-A-Z-Q	
157138	AEVULQZ-32-25-P-A	536418	AEN-32-25-I-P-A-Z-Q	
157139	AEVULQZ-40-5-P-A	536419	AEN-40-5-I-P-A-Z-Q	
157140	AEVULQZ-40-10-P-A	536419	AEN-40-10-I-P-A-Z-Q	
157141	AEVULQZ-40-15-P-A	536419	AEN-40-15-I-P-A-Z-Q	
157142	AEVULQZ-40-20-P-A	536419	AEN-40-20-I-P-A-Z-Q	
157143	AEVULQZ-40-25-P-A	536419	AEN-40-25-I-P-A-Z-Q	
157144	AEVULQZ-50-10-P-A	536420	AEN-50-10-I-P-A-Z-Q	
157145	AEVULQZ-50-15-P-A	536420	AEN-50-15-I-P-A-Z-Q	
157146	AEVULQZ-50-20-P-A	536420	AEN-50-20-I-P-A-Z-Q	
157147	AEVULQZ-50-25-P-A	536420	AEN-50-25-I-P-A-Z-Q	

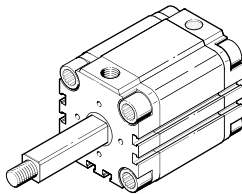
Compact cylinder
AEVULQZ-....-P-A

Compact cylinder to ISO 21287
AEN-....-I-P-A-Z-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
157148	AEVULQZ-63-10-P-A	536421	AEN-63-10-I-P-A-Z-Q	
157149	AEVULQZ-63-15-P-A	536421	AEN-63-15-I-P-A-Z-Q	
157150	AEVULQZ-63-20-P-A	536421	AEN-63-20-I-P-A-Z-Q	
157151	AEVULQZ-63-25-P-A	536421	AEN-63-25-I-P-A-Z-Q	
157152	AEVULQZ-80-10-P-A	536422	AEN-80-10-I-P-A-Z-Q	
157153	AEVULQZ-80-15-P-A	536422	AEN-80-15-I-P-A-Z-Q	
157154	AEVULQZ-80-20-P-A	536422	AEN-80-20-I-P-A-Z-Q	
157155	AEVULQZ-80-25-P-A	536422	AEN-80-25-I-P-A-Z-Q	
157156	AEVULQZ-100-10-P-A	536423	AEN-100-10-I-P-A-Z-Q	
157157	AEVULQZ-100-15-P-A	536423	AEN-100-15-I-P-A-Z-Q	
157158	AEVULQZ-100-20-P-A	536423	AEN-100-20-I-P-A-Z-Q	
157159	AEVULQZ-100-25-P-A	536423	AEN-100-25-I-P-A-Z-Q	

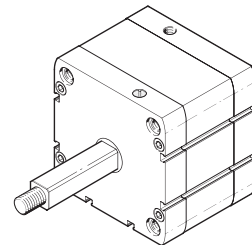
Compact cylinder
AEVULQZ-....-A-P-A

- Single-acting, pulling
- Piston rod protected against rotation
- Piston rod male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287
AEN-....-A-P-A-Z-Q

- Single-acting, pulling
- Piston rod protected against rotation
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
157165	AEVULQZ-16-5-A-P-A	536415	AEN-16-5-A-P-A-Z-Q	
157166	AEVULQZ-16-10-A-P-A	536415	AEN-16-10-A-P-A-Z-Q	
157167	AEVULQZ-16-15-A-P-A	536415	AEN-16-15-A-P-A-Z-Q	
157168	AEVULQZ-16-20-A-P-A	536415	AEN-16-20-A-P-A-Z-Q	
157169	AEVULQZ-16-25-A-P-A	536415	AEN-16-25-A-P-A-Z-Q	
157170	AEVULQZ-20-5-A-P-A	536416	AEN-20-5-A-P-A-Z-Q	
157171	AEVULQZ-20-10-A-P-A	536416	AEN-20-10-A-P-A-Z-Q	
157172	AEVULQZ-20-15-A-P-A	536416	AEN-20-15-A-P-A-Z-Q	

Compact cylinders
AEVULQZ-...-A-P-A

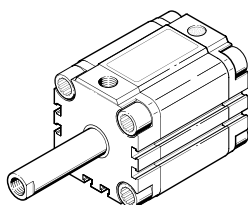
Compact cylinder to ISO 21287
AEN-...-A-P-A-Z-Q

Part no.	Product type	Part no.	Alternative product type	Product comparison
157173	AEVULQZ-20-20-A-P-A	536416	AEN-20-20-A-P-A-Z-Q	
157174	AEVULQZ-20-25-A-P-A	536416	AEN-20-25-A-P-A-Z-Q	
157175	AEVULQZ-25-5-A-P-A	536417	AEN-25-5-A-P-A-Z-Q	
157176	AEVULQZ-25-10-A-P-A	536417	AEN-25-10-A-P-A-Z-Q	
157177	AEVULQZ-25-15-A-P-A	536417	AEN-25-15-A-P-A-Z-Q	
157178	AEVULQZ-25-20-A-P-A	536417	AEN-25-20-A-P-A-Z-Q	
157179	AEVULQZ-25-25-A-P-A	536417	AEN-25-25-A-P-A-Z-Q	
157180	AEVULQZ-32-5-A-P-A	536418	AEN-32-5-A-P-A-Z-Q	
157181	AEVULQZ-32-10-A-P-A	536418	AEN-32-10-A-P-A-Z-Q	
157182	AEVULQZ-32-15-A-P-A	536418	AEN-32-15-A-P-A-Z-Q	
157183	AEVULQZ-32-20-A-P-A	536418	AEN-32-20-A-P-A-Z-Q	
157184	AEVULQZ-32-25-A-P-A	536418	AEN-32-25-A-P-A-Z-Q	
157185	AEVULQZ-40-5-A-P-A	536419	AEN-40-5-A-P-A-Z-Q	
157186	AEVULQZ-40-10-A-P-A	536419	AEN-40-10-A-P-A-Z-Q	
157187	AEVULQZ-40-15-A-P-A	536419	AEN-40-15-A-P-A-Z-Q	
157188	AEVULQZ-40-20-A-P-A	536419	AEN-40-20-A-P-A-Z-Q	
157189	AEVULQZ-40-25-A-P-A	536419	AEN-40-25-A-P-A-Z-Q	
157190	AEVULQZ-50-10-A-P-A	536420	AEN-50-10-A-P-A-Z-Q	
157191	AEVULQZ-50-15-A-P-A	536420	AEN-50-15-A-P-A-Z-Q	
157192	AEVULQZ-50-20-A-P-A	536420	AEN-50-20-A-P-A-Z-Q	
157193	AEVULQZ-50-25-A-P-A	536420	AEN-50-25-A-P-A-Z-Q	
157194	AEVULQZ-63-10-A-P-A	536421	AEN-63-10-A-P-A-Z-Q	
157195	AEVULQZ-63-15-A-P-A	536421	AEN-63-15-A-P-A-Z-Q	
157196	AEVULQZ-63-20-A-P-A	536421	AEN-63-20-A-P-A-Z-Q	
157197	AEVULQZ-63-25-A-P-A	536421	AEN-63-25-A-P-A-Z-Q	
157198	AEVULQZ-80-10-A-P-A	536422	AEN-80-10-A-P-A-Z-Q	
157199	AEVULQZ-80-15-A-P-A	536422	AEN-80-15-A-P-A-Z-Q	
157200	AEVULQZ-80-20-A-P-A	536422	AEN-80-20-A-P-A-Z-Q	
157201	AEVULQZ-80-25-A-P-A	536422	AEN-80-25-A-P-A-Z-Q	
157202	AEVULQZ-100-10-A-P-A	536423	AEN-100-10-A-P-A-Z-Q	
157203	AEVULQZ-100-15-A-P-A	536423	AEN-100-15-A-P-A-Z-Q	
157204	AEVULQZ-100-20-A-P-A	536423	AEN-100-20-A-P-A-Z-Q	
157205	AEVULQZ-100-25-A-P-A	536423	AEN-100-25-A-P-A-Z-Q	

Compact cylinder

AEVUZ-...-P-A

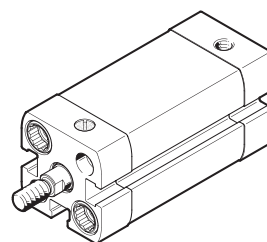
- Single-acting, pulling
- Piston rod with internal thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287

AEN-...-I-P-A-Z

- Single-acting, pulling
- Piston rod with female thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
157206	AEVUZ-12-5-P-A	536414	AEN-12-5-I-P-A-Z	
157207	AEVUZ-12-10-P-A	536414	AEN-12-10-I-P-A-Z	
157211	AEVUZ-16-5-P-A	536415	AEN-16-5-I-P-A-Z	
157212	AEVUZ-16-10-P-A	536415	AEN-16-10-I-P-A-Z	
157213	AEVUZ-16-15-P-A	536415	AEN-16-15-I-P-A-Z	
157214	AEVUZ-16-20-P-A	536415	AEN-16-20-I-P-A-Z	
157215	AEVUZ-16-25-P-A	536415	AEN-16-25-I-P-A-Z	
157216	AEVUZ-20-5-P-A	536416	AEN-20-5-I-P-A-Z	
157217	AEVUZ-20-10-P-A	536416	AEN-20-10-I-P-A-Z	
157218	AEVUZ-20-15-P-A	536416	AEN-20-15-I-P-A-Z	
157219	AEVUZ-20-20-P-A	536416	AEN-20-20-I-P-A-Z	
157220	AEVUZ-20-25-P-A	536416	AEN-20-25-I-P-A-Z	
157221	AEVUZ-25-5-P-A	536417	AEN-25-5-I-P-A-Z	
157222	AEVUZ-25-10-P-A	536417	AEN-25-10-I-P-A-Z	
157223	AEVUZ-25-15-P-A	536417	AEN-25-15-I-P-A-Z	
157224	AEVUZ-25-20-P-A	536417	AEN-25-20-I-P-A-Z	
157225	AEVUZ-25-25-P-A	536417	AEN-25-25-I-P-A-Z	
157226	AEVUZ-32-5-P-A	536418	AEN-32-5-I-P-A-Z	
157227	AEVUZ-32-10-P-A	536418	AEN-32-10-I-P-A-Z	
157228	AEVUZ-32-15-P-A	536418	AEN-32-15-I-P-A-Z	
157229	AEVUZ-32-20-P-A	536418	AEN-32-20-I-P-A-Z	
157230	AEVUZ-32-25-P-A	536418	AEN-32-25-I-P-A-Z	
157231	AEVUZ-40-5-P-A	536419	AEN-40-5-I-P-A-Z	
157232	AEVUZ-40-10-P-A	536419	AEN-40-10-I-P-A-Z	
157233	AEVUZ-40-15-P-A	536419	AEN-40-15-I-P-A-Z	
157234	AEVUZ-40-20-P-A	536419	AEN-40-20-I-P-A-Z	
157235	AEVUZ-40-25-P-A	536419	AEN-40-25-I-P-A-Z	

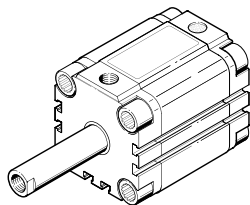
Compact cylinder
AEVUZ-...-P-A

Compact cylinder to ISO 21287
AEN-...-I-P-A-Z

Part no.	Product type	Part no.	Alternative product type	Product comparison
157236	AEVUZ-50-10-P-A	536420	AEN-50-10-I-P-A-Z	
157237	AEVUZ-50-15-P-A	536420	AEN-50-15-I-P-A-Z	
157238	AEVUZ-50-20-P-A	536420	AEN-50-20-I-P-A-Z	
157239	AEVUZ-50-25-P-A	536420	AEN-50-25-I-P-A-Z	
157240	AEVUZ-63-10-P-A	536421	AEN-63-10-I-P-A-Z	
157241	AEVUZ-63-15-P-A	536421	AEN-63-15-I-P-A-Z	
157242	AEVUZ-63-20-P-A	536421	AEN-63-20-I-P-A-Z	
157243	AEVUZ-63-25-P-A	536421	AEN-63-25-I-P-A-Z	
157244	AEVUZ-80-10-P-A	536422	AEN-80-10-I-P-A-Z	
157245	AEVUZ-80-15-P-A	536422	AEN-80-15-I-P-A-Z	
157246	AEVUZ-80-20-P-A	536422	AEN-80-20-I-P-A-Z	
157247	AEVUZ-80-25-P-A	536422	AEN-80-25-I-P-A-Z	
157248	AEVUZ-100-10-P-A	536423	AEN-100-10-I-P-A-Z	
157249	AEVUZ-100-15-P-A	536423	AEN-100-15-I-P-A-Z	
157250	AEVUZ-100-20-P-A	536423	AEN-100-20-I-P-A-Z	
157251	AEVUZ-100-25-P-A	536423	AEN-100-25-I-P-A-Z	

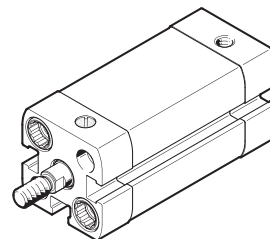
Compact cylinder
AEVUZ-...-A-P-A

- Single-acting, pulling
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Compact cylinder to ISO 21287
AEN-...-A-P-A-Z

- Single-acting, pulling
- Piston rod with male thread
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- The functions are interchangeable, but the external dimensions and mounting dimensions are different

Part no.	Product type	Part no.	Alternative product type	Product comparison
157252	AEVUZ-12-5-A-P-A	536414	AEN-12-5-A-P-A-Z	
157253	AEVUZ-12-10-A-P-A	536414	AEN-12-10-A-P-A-Z	
157257	AEVUZ-16-5-A-P-A	536415	AEN-16-5-A-P-A-Z	
157258	AEVUZ-16-10-A-P-A	536415	AEN-16-10-A-P-A-Z	
157259	AEVUZ-16-15-A-P-A	536415	AEN-16-15-A-P-A-Z	
157260	AEVUZ-16-20-A-P-A	536415	AEN-16-20-A-P-A-Z	
157261	AEVUZ-16-25-A-P-A	536415	AEN-16-25-A-P-A-Z	

Compact cylinder
AEVUZ-...-A-P-A

Compact cylinder to ISO 21287
AEN-...-A-P-A-Z

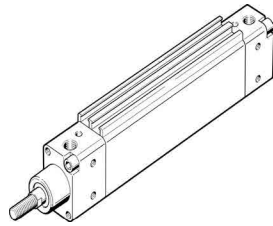
Part no.	Product type	Part no.	Alternative product type	Product comparison
157262	AEVUZ-20-5-A-P-A	536416	AEN-20-5-A-P-A-Z	
157263	AEVUZ-20-10-A-P-A	536416	AEN-20-10-A-P-A-Z	
157264	AEVUZ-20-15-A-P-A	536416	AEN-20-15-A-P-A-Z	
157265	AEVUZ-20-20-A-P-A	536416	AEN-20-20-A-P-A-Z	
157266	AEVUZ-20-25-A-P-A	536416	AEN-20-25-A-P-A-Z	
157267	AEVUZ-25-5-A-P-A	536417	AEN-25-5-A-P-A-Z	
157268	AEVUZ-25-10-A-P-A	536417	AEN-25-10-A-P-A-Z	
157269	AEVUZ-25-15-A-P-A	536417	AEN-25-15-A-P-A-Z	
157270	AEVUZ-25-20-A-P-A	536417	AEN-25-20-A-P-A-Z	
157271	AEVUZ-25-25-A-P-A	536417	AEN-25-25-A-P-A-Z	
157272	AEVUZ-32-5-A-P-A	536418	AEN-32-5-A-P-A-Z	
157273	AEVUZ-32-10-A-P-A	536418	AEN-32-10-A-P-A-Z	
157274	AEVUZ-32-15-A-P-A	536418	AEN-32-15-A-P-A-Z	
157275	AEVUZ-32-20-A-P-A	536418	AEN-32-20-A-P-A-Z	
157276	AEVUZ-32-25-A-P-A	536418	AEN-32-25-A-P-A-Z	
157277	AEVUZ-40-5-A-P-A	536419	AEN-40-5-A-P-A-Z	
157278	AEVUZ-40-10-A-P-A	536419	AEN-40-10-A-P-A-Z	
157279	AEVUZ-40-15-A-P-A	536419	AEN-40-15-A-P-A-Z	
157280	AEVUZ-40-20-A-P-A	536419	AEN-40-20-A-P-A-Z	
157281	AEVUZ-40-25-A-P-A	536419	AEN-40-25-A-P-A-Z	
157282	AEVUZ-50-10-A-P-A	536420	AEN-50-10-A-P-A-Z	
157283	AEVUZ-50-15-A-P-A	536420	AEN-50-15-A-P-A-Z	
157284	AEVUZ-50-20-A-P-A	536420	AEN-50-20-A-P-A-Z	
157285	AEVUZ-50-25-A-P-A	536420	AEN-50-25-A-P-A-Z	
157286	AEVUZ-63-10-A-P-A	536421	AEN-63-10-A-P-A-Z	
157287	AEVUZ-63-15-A-P-A	536421	AEN-63-15-A-P-A-Z	
157288	AEVUZ-63-20-A-P-A	536421	AEN-63-20-A-P-A-Z	
157289	AEVUZ-63-25-A-P-A	536421	AEN-63-25-A-P-A-Z	
157290	AEVUZ-80-10-A-P-A	536422	AEN-80-10-A-P-A-Z	
157291	AEVUZ-80-15-A-P-A	536422	AEN-80-15-A-P-A-Z	
157292	AEVUZ-80-20-A-P-A	536422	AEN-80-20-A-P-A-Z	
157293	AEVUZ-80-25-A-P-A	536422	AEN-80-25-A-P-A-Z	
157294	AEVUZ-100-10-A-P-A	536423	AEN-100-10-A-P-A-Z	
157295	AEVUZ-100-15-A-P-A	536423	AEN-100-15-A-P-A-Z	
157296	AEVUZ-100-20-A-P-A	536423	AEN-100-20-A-P-A-Z	
157297	AEVUZ-100-25-A-P-A	536423	AEN-100-25-A-P-A-Z	

Added value in detail » Short stroke and compact cylinders

Flat cylinder

DZH-...-PPV-A

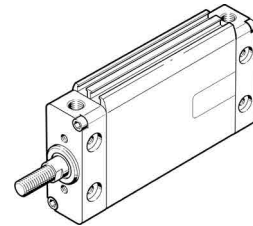
- Double-acting
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Flat cylinder

DZF-...-A-P-A

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

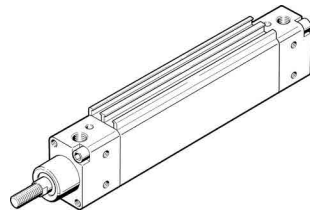
- Elastic cushioning

Part no.	Product type	Part no.	Alternative product type	Product comparison
151145	DZH-16-25-PPV-A	161238	DZF-18-25-A-P-A	
151152	DZH-16-200-PPV-A	161245	DZF-18-200-A-P-A	
151121	DZH-25-25-PPV-A	161251	DZF-25-25-A-P-A	
151128	DZH-25-200-PPV-A	161258	DZF-25-200-A-P-A	

Flat cylinder

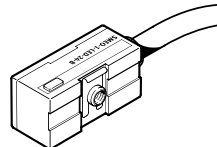
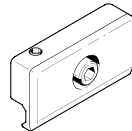
DZH-...-PPV-A

- Double-acting
- For position sensing
- Pneumatic cushioning, adjustable at both ends



Accessories:

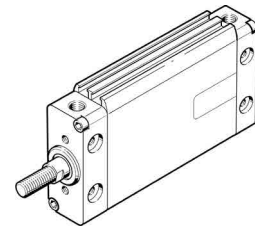
- 2 mounting kits
- 2 proximity sensors



Flat cylinder

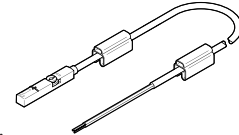
DZF-...-A-P-A

- Double-acting
- For position sensing
- Elastic cushioning rings/plates at both ends



Accessories:

- 2 proximity sensors



Difference:

- Simplified mounting of proximity sensors in cylinder profile instead of via mounting kits
- Elastic cushioning rings/plates at both ends

Note: Mounting kits and proximity sensors should be ordered separately.

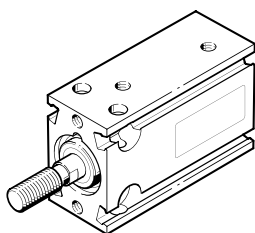
Part no.	Product type	Part no.	Alternative product type	Product comparison
14041	DZH-32-25-PPV-A	161264	DZF-32-25-A-P-A	
14048	DZH-32-200-PPV-A	161271	DZF-32-200-A-P-A	
14052	DZH-40-25-PPV-A	161279	DZF-40-25-A-P-A	
14059	DZH-40-200-PPV-A	161286	DZF-40-200-A-P-A	
14063	DZH-50-25-PPV-A	161294	DZF-50-25-A-P-A	
14070	DZH-50-200-PPV-A	161301	DZF-50-200-A-P-A	
14074	DZH-63-25-PPV-A	161309	DZF-63-25-A-P-A	
14081	DZH-63-200-PPV-A	161316	DZF-63-200-A-P-A	
Accessories:				
2x 11886	SMB-1			
2x 30459	SMEO-1-LED-24-B	2x 543862	SME-8M-DS-24V-K2.5-OE	

Cartridge cylinders and multimount cylinders

Compact cylinder

DMM-...-P-A

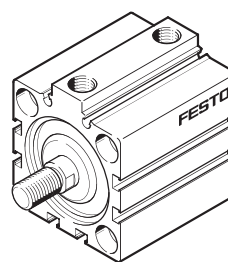
- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Short-stroke cylinder

ADVC-...-A-P-A

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

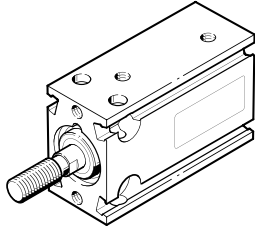
- Modified external dimensions and mounting dimensions
- Modified technical data

Part no.	Product type	Part no.	Alternative product type	Product comparison
158502	DMM-10-5-P-A	188076	ADVC-10-5-A-P-A	
158503	DMM-10-10-P-A	188077	ADVC-10-10-A-P-A	
158511	DMM-16-5-P-A	188118	ADVC-16-5-A-P-A	
158512	DMM-16-10-P-A	188119	ADVC-16-10-A-P-A	
158513	DMM-16-15-P-A	188120	ADVC-16-15-A-P-A	
158514	DMM-16-20-P-A	188121	ADVC-16-20-A-P-A	
158515	DMM-16-25-P-A	188122	ADVC-16-25-A-P-A	
158521	DMM-20-5-P-A	188150	ADVC-20-5-A-P-A	
158522	DMM-20-10-P-A	188151	ADVC-20-10-A-P-A	
158523	DMM-20-15-P-A	188152	ADVC-20-15-A-P-A	
158524	DMM-20-20-P-A	188153	ADVC-20-20-A-P-A	
158525	DMM-20-25-P-A	188154	ADVC-20-25-A-P-A	
158533	DMM-25-5-P-A	188182	ADVC-25-5-A-P-A	
158534	DMM-25-10-P-A	188183	ADVC-25-10-A-P-A	
158535	DMM-25-15-P-A	188184	ADVC-25-15-A-P-A	
158536	DMM-25-20-P-A	188185	ADVC-25-20-A-P-A	
158537	DMM-25-25-P-A	188186	ADVC-25-25-A-P-A	
158545	DMM-32-5-P-A	188214	ADVC-32-5-A-P-A	
158546	DMM-32-10-P-A	188215	ADVC-32-10-A-P-A	
158547	DMM-32-15-P-A	188216	ADVC-32-15-A-P-A	
158548	DMM-32-20-P-A	188217	ADVC-32-20-A-P-A	
158549	DMM-32-25-P-A	188218	ADVC-32-25-A-P-A	

Compact cylinder

EMM-...-P-A

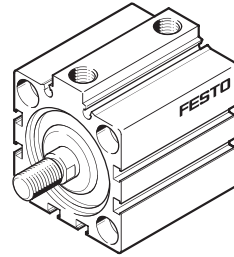
- Single-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Short-stroke cylinder

AEVC-...-A-P-A

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

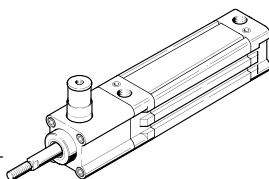
Part no.	Product type	Part no.	Alternative product type	Product comparison
158612	EMM-10-5-P-A	188072	AEVC-10-5-A-P-A	
158613	EMM-10-10-P-A	188073	AEVC-10-10-A-P-A	
158617	EMM-16-5-P-A	188102	AEVC-16-5-A-P-A	
158618	EMM-16-10-P-A	188103	AEVC-16-10-A-P-A	
158622	EMM-20-5-P-A	188134	AEVC-20-5-A-P-A	
158623	EMM-20-10-P-A	188135	AEVC-20-10-A-P-A	
158627	EMM-25-5-P-A	188166	AEVC-25-5-A-P-A	
158628	EMM-25-10-P-A	188167	AEVC-25-10-A-P-A	
158632	EMM-32-5-P-A	188198	AEVC-32-5-A-P-A	
158633	EMM-32-10-P-A	188199	AEVC-32-10-A-P-A	

Cylinders with clamping unit

Standards-based cylinder with clamping unit

DNC-....P-A-KP

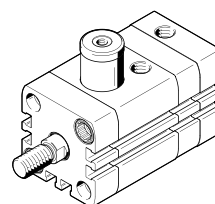
- Position sensing
- Holding or clamping in any position



Cylinder with clamping unit

ADN-....KP-A-P-A

- Position sensing
- Holding or clamping in any position



Difference:

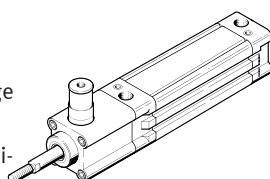
- Modified external dimensions and mounting dimensions
- Modified technical data

Part no.	Product type	Part no.	Alternative product type	Product comparison
163302	DNC-32-100-P-A-KP	548208	ADN-32-100-KP-A-P-A	
163334	DNC-40-100-P-A-KP	548209	ADN-40-100-KP-A-P-A	
163366	DNC-50-100-P-A-KP	548210	ADN-50-100-KP-A-P-A	
163398	DNC-63-100-P-A-KP	548211	ADN-63-100-KP-A-P-A	
163430	DNC-80-100-P-A-KP	548212	ADN-80-100-KP-A-P-A	
163462	DNC-100-100-P-A-KP	548213	ADN-100-100-KP-A-P-A	

Cylinder with clamping unit

DNC-....PPV-A-KP

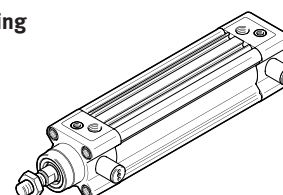
- Cylinder with clamping cartridge
- For position sensing
- Holding or clamping in any position
- Pneumatic cushioning
- Adjustable at both ends



Cylinder with end-position locking

DSBC-....E1-PPVA

- For position sensing
- End-position locking at both ends
- For position sensing
- Pneumatic cushioning, adjustable at both ends



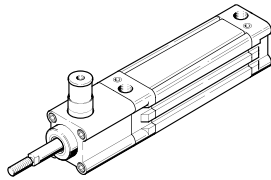
Difference:

- Locking of piston rod in both end positions instead of clamping along the entire stroke range

Part no.	Product type	Part no.	Alternative product type	Product comparison
163302	DNC-32-1000-PPV-A-KP	1463250	DSBC-32-1000-E1-PPVA	
163334	DNC-40-1000-PPV-A-KP	1461995	DSBC-40-1000-E1-PPVA	
163366	DNC-50-1000-PPV-A-KP	1463770	DSBC-50-1000-E1-PPVA	
163398	DNC-63-1000-PPV-A-KP	1463475	DSBC-63-1000-E1-PPVA	
163430	DNC-80-1000-PPV-A-KP	1463495	DSBC-80-1000-E1-PPVA	
163462	DNC-100-1000-PPV-A-KP	1463520	DSBC-100-1000-E1-PPVA	

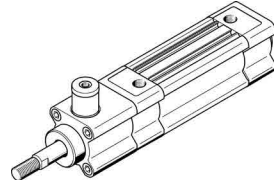
**Cylinder with clamping unit
DNC-...-PPV-A-KP**

- For position sensing
- Holding or clamping in any position
- Elastic cushioning rings/plates at both ends



**Cylinder with clamping unit
DSBC-...-C-PPSA**

- For position sensing
- Holding or clamping in any position
- Pneumatic cushioning, self-adjusting at both ends



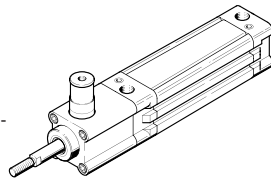
Difference:

- Pneumatic cushioning, self-adjusting at both ends

Part no.	Product type	Part no.	Alternative product type	Product comparison
163302	DNC-32-1000-PPV-A-KP	1463250	DSBC-32-1000-C-PPSA	
163334	DNC-40-1000-PPV-A-KP	1461995	DSBC-40-1000-C-PPSA	
163366	DNC-50-1000-PPV-A-KP	1463770	DSBC-50-1000-C-PPSA	
163398	DNC-63-1000-PPV-A-KP	1463475	DSBC-63-1000-C-PPSA	
163430	DNC-80-1000-PPV-A-KP	1463495	DSBC-80-1000-C-PPSA	
163462	DNC-100-1000-PPV-A-KP	1463520	DSBC-100-1000-C-PPSA	

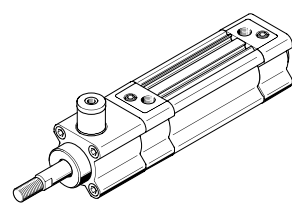
**Cylinder with clamping unit
DNC-...-PPV-A-KP**

- For position sensing
- Holding or clamping in any position
- Elastic cushioning rings/plates at both ends



**Cylinder with clamping unit
DSBC-...-C-PPVA**

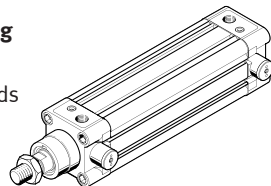
- For position sensing
- Pneumatic cushioning, adjustable at both ends



Part no.	Product type	Part no.	Alternative product type	Product comparison
163302	DNC-32-1000-PPV-A-KP	1463250	DSBC-32-1000-C-PPVA	
163334	DNC-40-1000-PPV-A-KP	1461995	DSBC-40-1000-C-PPVA	
163366	DNC-50-1000-PPV-A-KP	1463770	DSBC-50-1000-C-PPVA	
163398	DNC-63-1000-PPV-A-KP	1463475	DSBC-63-1000-C-PPVA	
163430	DNC-80-1000-PPV-A-KP	1463495	DSBC-80-1000-C-PPVA	
163462	DNC-100-1000-PPV-A-KP	1463520	DSBC-100-1000-C-PPVA	

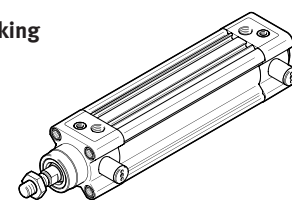
**Cylinder with end-position locking
DNC-...-PPV-A-ELB**

- End position locking at both ends
- For position sensing
- Pneumatic cushioning, adjustable at both ends



**Cylinder with end-position locking
DSBC-...-E1-PPVA**

- End position locking at both ends
- For position sensing
- Pneumatic cushioning, adjustable at both ends

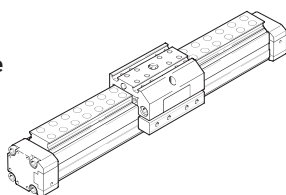


Part no.	Product type	Part no.	Alternative product type	Product comparison
163302	DNC-32-1000-PPV-A-ELB	1463250	DSBC-32-1000-E1-PPVA	
163334	DNC-40-1000-PPV-A-ELB	1461995	DSBC-40-1000-E1-PPVA	
163366	DNC-50-1000-PPV-A-ELB	1463770	DSBC-50-1000-E1-PPVA	
163398	DNC-63-1000-PPV-A-ELB	1463475	DSBC-63-1000-E1-PPVA	
163430	DNC-80-1000-PPV-A-ELB	1463495	DSBC-80-1000-E1-PPVA	
163462	DNC-100-1000-PPV-A-ELB	1463520	DSBC-100-1000-E1-PPVA	

Rodless cylinders

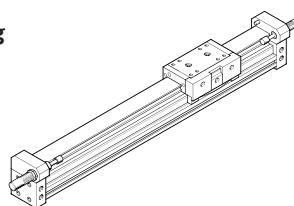
Linear drive with recirculating ball bearing guide DGPL-...-...-PPV-A-B-KF

- Position sensing
- Adjustable pneumatic cushioning at both sides



Linear drive with recirculating ball bearing guide DGC-...-...-KF-PPV-A

- Position sensing
- Adjustable pneumatic cushioning at both sides



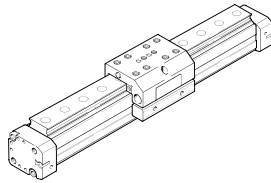
Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

Part no.	Product type	Part no.	Alternative product type	Product comparison
526649	DGPL-25-250-PPV-A-B-KF	532447	DGC-25-250-KF-PPV-A	
526650	DGPL-25-400-PPV-A-B-KF	532447	DGC-25-400-KF-PPV-A	
526651	DGPL-25-500-PPV-A-B-KF	532447	DGC-25-500-KF-PPV-A	
526652	DGPL-25-1000-PPV-A-B-KF	532447	DGC-25-1000-KF-PPV-A	
526657	DGPL-32-250-PPV-A-B-KF	532448	DGC-32-250-KF-PPV-A	
526658	DGPL-32-400-PPV-A-B-KF	532448	DGC-32-400-KF-PPV-A	
526659	DGPL-32-500-PPV-A-B-KF	532448	DGC-32-500-KF-PPV-A	
526660	DGPL-32-1000-PPV-A-B-KF	532448	DGC-32-1000-KF-PPV-A	
526665	DGPL-40-250-PPV-A-B-KF	532449	DGC-40-250-KF-PPV-A	
526666	DGPL-40-400-PPV-A-B-KF	532449	DGC-40-400-KF-PPV-A	
526667	DGPL-40-500-PPV-A-B-KF	532449	DGC-40-500-KF-PPV-A	
526668	DGPL-40-1000-PPV-A-B-KF	532449	DGC-40-1000-KF-PPV-A	

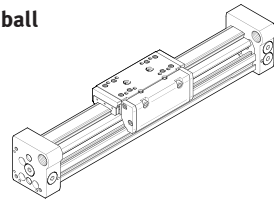
**Linear drive with
recirculating ball bearing guide
DGPL-...-PPV-A-KF-B**

- Position sensing
- Adjustable pneumatic cushioning at both sides



**Linear drive with recirculating ball
bearing guide
DGC-...-KF-PPV-A**

- Position sensing
- Adjustable pneumatic cushioning at both sides



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

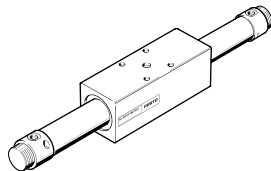
Note:

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
161977	DGPL-18-1000-PPV-A-KF-B	532446	DGC-18-1000-KF-PPV-A	
161792	DGPL-25-1000-PPV-A-KF-B	532447	DGC-25-1000-KF-PPV-A	
161793	DGPL-32-1000-PPV-A-KF-B	532448	DGC-32-1000-KF-PPV-A	
161794	DGPL-40-1000-PPV-A-KF-B	532449	DGC-40-1000-KF-PPV-A	
161795	DGPL-50-1000-PPV-A-KF-B	532450	DGC-50-1000-KF-PPV-A	
161796	DGPL-63-1000-PPV-A-KF-B	532451	DGC-63-1000-KF-PPV-A	

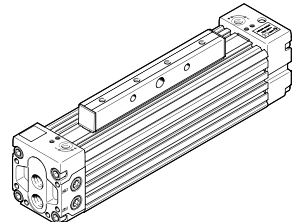
**Linear drive
DGO-...-PPV-A-B**

- Double-acting
- Magnetic piston (force locking)
- Position sensing
- Pneumatic cushioning, adjustable at both ends



**Linear drive
DGC-K-...-PPV-A**

- Double-acting
- Slotted profile barrel (positive locking)
- Position sensing
- Pneumatic cushioning, adjustable at both ends



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

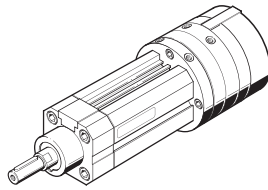
Part no.	Product type	Part no.	Alternative product type	Product comparison
15224	DGO-25-1000-PPV-A-B	1312501	DGC-K-25-1000-PPV-A	
15225	DGO-32-1000-PPV-A-B	1312502	DGC-K-32-1000-PPV-A	
15226	DGO-40-1000-PPV-A-B	1312503	DGC-K-40-1000-PPV-A	

Semi-rotary drives

Swivel/linear drive unit

DSL-...-KF-B

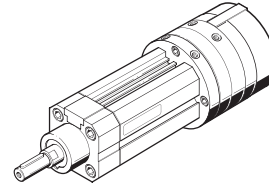
- With position sensing
- Ball bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Swivel/linear drive unit

DSL-...-S2-B

- With position sensing
- Plain-bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- Plain-bearing guide instead of ball bearing guide
- Modified technical data

Note:

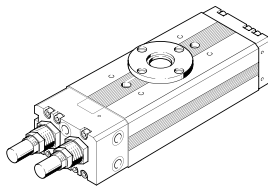
* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
556582	DSL-16-25-270-P-A-S2-KF-B	556390	DSL-16-25-270-P-A-S2-B	
556606	DSL-16-100-270-P-A-S2-KF-B	556414	DSL-16-100-270-P-A-S2-B	
556618	DSL-20-25-270-P-A-S2-KF-B	556426	DSL-20-25-270-P-A-S2-B	
556642	DSL-20-100-270-P-A-S2-KF-B	556450	DSL-20-100-270-P-A-S2-B	
556654	DSL-25-25-270-P-A-S2-KF-B	556462	DSL-25-25-270-P-A-S2-B	
556678	DSL-25-100-270-P-A-S2-KF-B	556486	DSL-25-100-270-P-A-S2-B	
556690	DSL-32-25-270-P-A-S2-KF-B	556498	DSL-32-25-270-P-A-S2-B	
556714	DSL-32-100-270-P-A-S2-KF-B	556522	DSL-32-100-270-P-A-S2-B	
556726	DSL-40-25-270-P-A-S2-KF-B	556534	DSL-40-25-270-P-A-S2-B	
556750	DSL-40-100-270-P-A-S2-KF-B	556558	DSL-40-100-270-P-A-S2-B	

Semi-rotary drive

DRQD-B-...-P1J-...

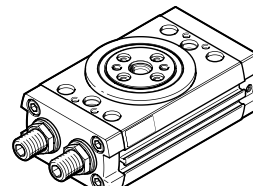
- Twin piston
- Position sensing
- Adjustable elastomer cushioning



Semi-rotary drive

DRRD-...-FH-PA

- Twin piston
- Position sensing
- Flexible cushioning rings/plates both ends



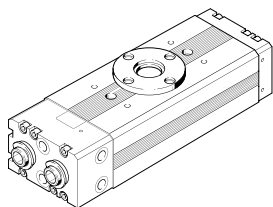
Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

Part no.	Product type	Part no.	Alternative product type	Product comparison
1177954	DRQD-B-16-180-P1J-A-AL-FW	1577238	DRRD-16-180-FH-PA	
1177950	DRQD-B-16-180-P1J-A-AR-FW	1577238	DRRD-16-180-FH-PA	
1177955	DRQD-B-20-180-P1J-A-AL-FW	1395606	DRRD-20-180-FH-PA	
1177951	DRQD-B-20-180-P1J-A-AR-FW	1395606	DRRD-20-180-FH-PA	
1177956	DRQD-B-25-180-P1J-A-AL-FW	1359980	DRRD-25-180-FH-PA	
1177952	DRQD-B-25-180-P1J-A-AR-FW	1359980	DRRD-25-180-FH-PA	
1177957	DRQD-B-32-180-P1J-A-AL-FW	1578512	DRRD-32-180-FH-PA	
1177953	DRQD-B-32-180-P1J-A-AR-FW	1578512	DRRD-32-180-FH-PA	

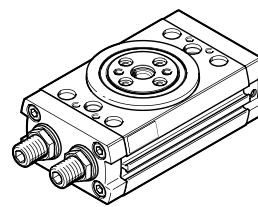
**Semi-rotary drive
DRQD-B-...-PPVJ-...**

- Twin piston
- Position sensing
- Pneumatic cushioning, adjustable



**Semi-rotary drive
DRRD-...-FH-PA**

- Twin piston
- Position sensing
- Elastic cushioning rings/plates at both ends



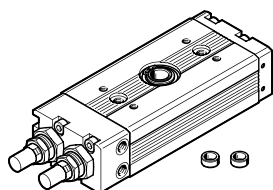
Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data
- Flexible cushioning rings/plates both ends

Part no.	Product type	Part no.	Alternative product type	Product comparison
563341	DRQD-B-16-180-PPVJ-A-AL-FW	1577238	DRRD-16-180-FH-PA	
563353	DRQD-B-16-180-PPVJ-A-AR-FW	1577238	DRRD-16-180-FH-PA	
563367	DRQD-B-16-90-PPVJ-A-AR-FW	1577238	DRRD-16-180-FH-PA	
563342	DRQD-B-20-180-PPVJ-A-AL-FW	1395606	DRRD-20-180-FH-PA	
563354	DRQD-B-20-180-PPVJ-A-AR-FW	1395606	DRRD-20-180-FH-PA	
563343	DRQD-B-25-180-PPVJ-A-AL-FW	1359980	DRRD-25-180-FH-PA	
563355	DRQD-B-25-180-PPVJ-A-AR-FW	1359980	DRRD-25-180-FH-PA	
563344	DRQD-B-32-180-PPVJ-A-AL-FW	1578512	DRRD-32-180-FH-PA	
563356	DRQD-B-32-180-PPVJ-A-AR-FW	1578512	DRRD-32-180-FH-PA	

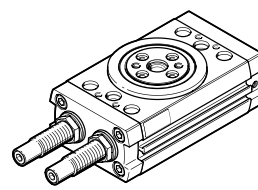
**Semi-rotary drive
DRQD-B-...-YSRJ-...**

- Twin piston
- Position sensing
- Adjustable shock absorbers



**Semi-rotary drive
DRRD-...-FH-Y9A**

- Twin piston
- Position sensing
- Shock absorber, selfadjusting, linear, at both ends



Difference:

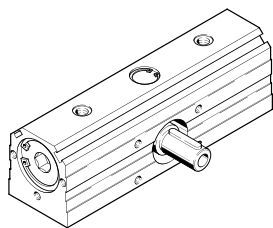
- Modified external dimensions and mounting dimensions
- Modified technical data

Part no.	Product type	Part no.	Alternative product type	Product comparison
563337	DRQD-B-16-180-YSRJ-A-AL-FW	1644389	DRRD-16-180-FH-Y9A	
563349	DRQD-B-16-180-YSRJ-A-AR-FW	1644389	DRRD-16-180-FH-Y9A	
563338	DRQD-B-20-180-YSRJ-A-AL-FW	1427379	DRRD-20-180-FH-Y9A	
563350	DRQD-B-20-180-YSRJ-A-AR-FW	1427379	DRRD-20-180-FH-Y9A	
563339	DRQD-B-25-180-YSRJ-A-AL-FW	1360248	DRRD-25-180-FH-Y9A	
563351	DRQD-B-25-180-YSRJ-A-AR-FW	1360248	DRRD-25-180-FH-Y9A	
563340	DRQD-B-32-180-YSRJ-A-AL-FW	1578518	DRRD-32-180-FH-Y9A	
563352	DRQD-B-32-180-YSRJ-A-AR-FW	1578518	DRRD-32-180-FH-Y9A	
573220	DRQD-40-45-YSRJ-A-AR-FW	1526986	DRRD-40-180-FH-Y9A	

Semi-rotary drive

DRQ-...-PPVJ-A

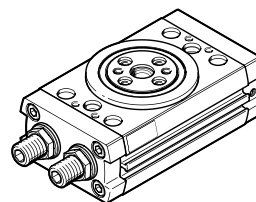
- Position sensing
- Pneumatic cushioning, adjustable



Semi-rotary drive

DRRD-...-FH-PA

- Twin piston
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

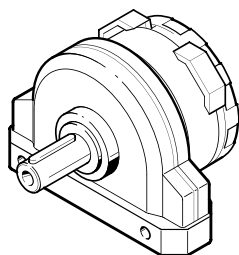
- Modified external dimensions and mounting dimensions
- Modified technical data
- Elastic cushioning rings/plates at both ends

Part no.	Product type	Part no.	Alternative product type	Product comparison
35201	DRQ-16-180-PPVJ-A	1577238	DRRD-16-180-FH-PA	
35200	DRQ-16-90-PPVJ-A	1577238	DRRD-16-180-FH-PA	
35205	DRQ-20-180-PPVJ-A	1395606	DRRD-20-180-FH-PA	
35204	DRQ-20-90-PPVJ-A	1395606	DRRD-20-180-FH-PA	
35209	DRQ-25-180-PPVJ-A	1359980	DRRD-25-180-FH-PA	
35208	DRQ-25-90-PPVJ-A	1359980	DRRD-25-180-FH-PA	
35213	DRQ-32-180-PPVJ-A	1578512	DRRD-32-180-FH-PA	

Semi-rotary drive

DSR-...-P

- With spigot shaft
- Elastic cushioning rings/plates at both ends

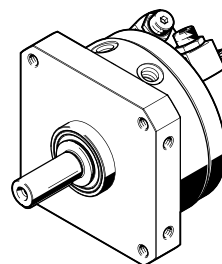


Semi-rotary drive

DSM-...-P

DSM-...-P-A-B

- With spigot shaft
- Position sensing
- Elastic cushioning rings/plates at both ends
- Adjustable swivel angle



Difference:

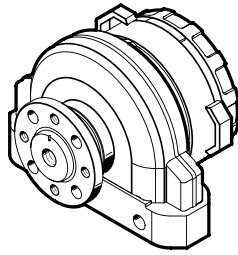
- Modified external dimensions and mounting dimensions
- Modified technical data
- Position sensing

Part no.	Product type	Part no.	Alternative product type	Product comparison
33297	DSR-10-180-P	173193	DSM-10-180-P	
11909	DSR-12-180-P	547570	DSM-12-270-P-A-B	
11910	DSR-16-180-P	547574	DSM-16-270-P-A-B	
11911	DSR-25-180-P	547578	DSM-25-270-P-A-B	
11912	DSR-32-180-P	547582	DSM-32-270-P-A-B	
13467	DSR-40-180-P	547586	DSM-40-270-P-A-B	

Semi-rotary drive

DSRL-...-P-FW

- With flanged shaft
- Elastic cushioning rings/plates at both ends

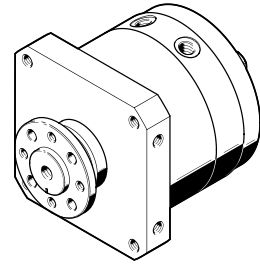


Semi-rotary drive

DSM-...-P-A-FW

DSM-...-FW-A-B

- With flanged shaft
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

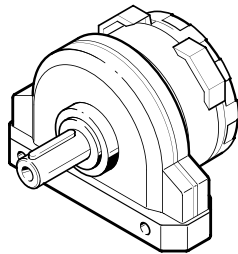
- Modified external dimensions and mounting dimensions
- Modified technical data
- Position sensing

Part no.	Product type	Part no.	Alternative product type	Product comparison
33296	DSRL-10-180-P-FW	185944	DSM-10-180-P-A-FW	
30654	DSRL-12-180-P-FW	547596	DSM-12-270-FW-A-B	
30655	DSRL-16-180-P-FW	547597	DSM-16-270-FW-A-B	
30656	DSRL-25-180-P-FW	547598	DSM-25-270-FW-A-B	
30657	DSRL-32-180-P-FW	547599	DSM-32-270-FW-A-B	
30658	DSRL-40-180-P-FW	547600	DSM-40-270-FW-A-B	

Semi-rotary drive

DSR-...-180-P

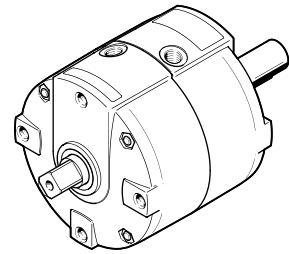
- With spigot shaft
- Elastic cushioning rings/plates at both ends



Quarter-turn actuator

DRVS-...-180-P

- With spigot shaft
- Pneumatic cushioning



Difference:

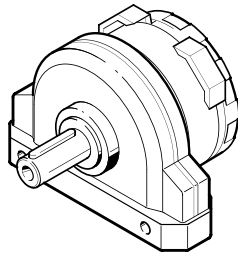
- Without stops for swivel angle adjustment
- Modified external dimensions and mounting dimensions
- Modified technical data

Part no.	Product type	Part no.	Alternative product type	Product comparison
33297	DSR-10-180-P	1845709	DRVS-8-180-P	
11909	DSR-12-180-P	1845711	DRVS-12-180-P	
11910	DSR-16-180-P	1845714	DRVS-16-180-P	
11911	DSR-25-180-P	1845717	DRVS-25-180-P	
11912	DSR-32-180-P	1845720	DRVS-32-180-P	
13467	DSR-40-180-P	1845723	DRVS-40-180-P	

Semi-rotary drive

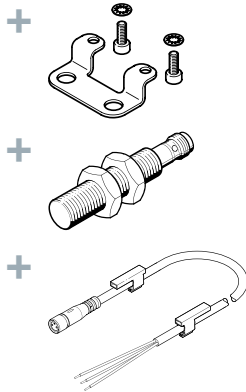
DSR-...-180-P

- With spigot shaft
- Elastic cushioning rings/plates at both ends



Accessories:

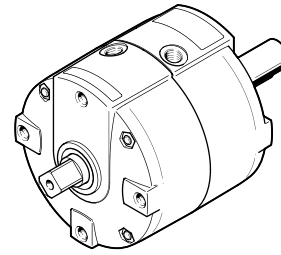
- 1 mounting kit
- 2 proximity sensors
- 2 connecting cables



Semi-rotary drive

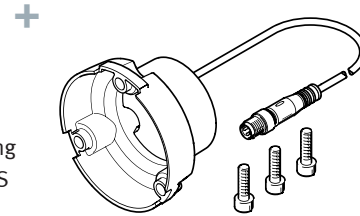
DRVS-...-180-P

- With spigot shaft
- Pneumatic cushioning



Accessories:

- 1 position sensor



Difference:

- Simplified position sensing with position sensor SRBS
- Without stops for swivel angle adjustment

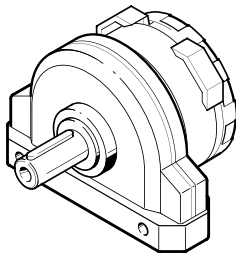
Part no.	Product type	Part no.	Alternative product type	Product comparison
33297	DSR-10-180-P	1845709	DRVS-8-180-P	
Accessories:				
1 x 33413	WSR-10-J-M5	1x 2619972	SRBS-Q12-8-E270-EP-1-S-M8	
2 x 150387	SIEN-M8B-PS-S-L			
2 x 541334	NEBU-M8G3-K-5-LE3			
1211909	DSR-12-180-P	1845711	DRVS-12-180-P	
Accessories:				
1 x 15685	WSR-12-J-M5	1 x 2393546	SRBS-Q12-12-E270-EP-1-S-M8	
2 x 150387	SIEN-M8B-PS-S-L			
2 x 541334	NEBU-M8G3-K-5-LE3			
1611910	DSR-16-180-P	1845714	DRVS-16-180-P	
Accessories:				
15931	WSR-16-J-M5	1 x 2393547	SRBS-Q12-16-E270-EP-1-S-M8	
2 x 150387	SIEN-M8B-PS-S-L			
2 x 541334	NEBU-M8G3-K-5-LE3			
2511911	DSR-25-180-P	1845717	DRVS-25-180-P	
Accessories:				
1 x 15932	WSR-25-J-M5	1 x 2393548	SRBS-Q12-25-E270-EP-1-S-M8	
2 x 150387	SIEN-M8B-PS-S-L			
2 x 541334	NEBU-M8G3-K-5-LE3			
3211912	DSR-32-180-P	1845720	DRVS-32-180-P	
Accessories:				
1 x 15933	WSR-32-J-M5	1 x 2393549	SRBS-Q12-32-E270-EP-1-S-M8	
2 x 150387	SIEN-M8B-PS-S-L			
2 x 541334	NEBU-M8G3-K-5-LE3			

Part no.	Product type	Part no.	Alternative product type	Product comparison
4013467	DSR-40-180-P	1845723	DRVS-40-180-P	
Accessories:				
1 x 15934	WSR-40-J-M5	1 x 2393550	SRBS-Q12-40-E270-EP-1-S-M8	
2 x 150387	SIEN-M8B-PS-S-L			
2 x 541334	NEBU-M8G3-K-5-LE3			

Semi-rotary drive

DSM-...-P

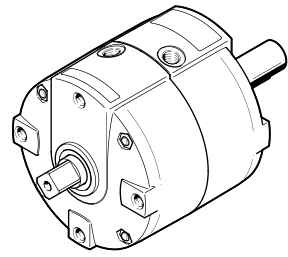
- With spigot shaft
- Elastic cushioning rings/plates at both ends



Semi-rotary drive

DRVS-...-P

- Elastic cushioning rings/plates at both ends



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data
- Without stops for swivel angle adjustment

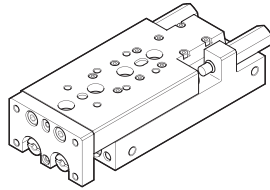
Part no.	Product type	Part no.	Alternative product type	Product comparison
173188	DSM-6-90-P	1845706	DRVS-6-90-P	
173189	DSM-6-180-P	1845707	DRVS-6-180-P	
173192	DSM-10-90-P	1845708	DRVS-8-90-P	
173193	DSM-10-180-P	1845709	DRVS-8-180-P	
547570	DSM-12-270-P-A-B	1845712	DRVS-12-270-P	
547574	DSM-16-270-P-A-B	1845715	DRVS-16-270-P	
547578	DSM-25-270-P-A-B	1845718	DRVS-25-270-P	
547582	DSM-32-270-P-A-B	1845721	DRVS-32-270-P	
547586	DSM-40-270-P-A-B	1845724	DRVS-40-270-P	

Drives with slides

Mini slide

SLT-...-P-A

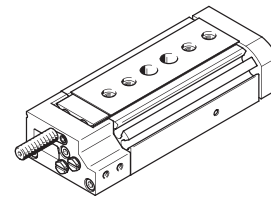
- Double-acting
- Position sensing
- With ball bearing guide *



Mini slide

DGSL-...-PA

- Double-acting
- Position sensing
- With ball bearing guide *



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

Note:

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
170549	SLT-6-10-P-A	543916	DGSL-6-10-PA	
170550	SLT-6-20-P-A	543917	DGSL-6-20-PA	
170551	SLT-6-30-P-A	543918	DGSL-6-30-PA	
170552	SLT-6-40-P-A	543919	DGSL-6-40-PA	
170553	SLT-6-50-P-A	543920	DGSL-6-50-PA	
170554	SLT-10-10-P-A	543942	DGSL-10-10-PA	
170555	SLT-10-20-P-A	543943	DGSL-10-20-PA	
170556	SLT-10-30-P-A	543944	DGSL-10-30-PA	
170557	SLT-10-40-P-A	543945	DGSL-10-40-PA	
170558	SLT-10-50-P-A	543946	DGSL-10-50-PA	
170559	SLT-10-80-P-A	543947	DGSL-10-80-PA	
170560	SLT-16-10-P-A	543983	DGSL-16-10-PA	
170561	SLT-16-20-P-A	543984	DGSL-16-20-PA	
170562	SLT-16-30-P-A	543985	DGSL-16-30-PA	
170563	SLT-16-40-P-A	543986	DGSL-16-40-PA	
170564	SLT-16-50-P-A	543987	DGSL-16-50-PA	
170565	SLT-16-80-P-A	543988	DGSL-16-80-PA	
170566	SLT-16-100-P-A	543989	DGSL-16-100-PA	
188412	SLT-16-125-P-A	543990	DGSL-16-150-PA	
188413	SLT-16-150-P-A	543990	DGSL-16-150-PA	
170567	SLT-20-10-P-A	544005	DGSL-20-10-PA	
170568	SLT-20-20-P-A	544006	DGSL-20-20-PA	
170569	SLT-20-30-P-A	544007	DGSL-20-30-PA	
170570	SLT-20-40-P-A	544008	DGSL-20-40-PA	
170571	SLT-20-50-P-A	544009	DGSL-20-50-PA	
170572	SLT-20-80-P-A	544010	DGSL-20-80-PA	
170573	SLT-20-100-P-A	544011	DGSL-20-100-PA	
188416	SLT-20-125-P-A	544012	DGSL-20-150-PA	
188417	SLT-20-150-P-A	544012	DGSL-20-150-PA	
188418	SLT-20-200-P-A	544013	DGSL-20-200-PA	

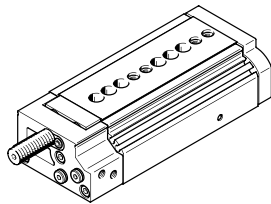
**Mini slide
SLT-...-P-A**

**Mini slides
DGSL-...-P-A**

Part no.	Product type	Part no.	Alternative product type	Product comparison
170574	SLT-25-10-P-A	544030	DGSL-25-10-PA	
170575	SLT-25-20-P-A	544031	DGSL-25-20-PA	
170576	SLT-25-30-P-A	544032	DGSL-25-30-PA	
170577	SLT-25-40-P-A	544033	DGSL-25-40-PA	
170578	SLT-25-50-P-A	544034	DGSL-25-50-PA	
170579	SLT-25-80-P-A	544035	DGSL-25-80-PA	
170580	SLT-25-100-P-A	544036	DGSL-25-100-PA	
188422	SLT-25-125-P-A	544037	DGSL-25-150-PA	
188423	SLT-25-150-P-A	544037	DGSL-25-150-PA	
188424	SLT-25-200-P-A	544038	DGSL-25-200-PA	

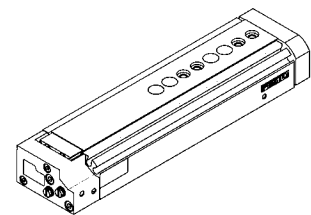
**Mini slide
DGSL-...-PA**

- Double-acting
- Position sensing
- With ball bearing guide*
- Elastic cushioning rings/plates at both ends



**Mini slide
DGSL-...-NA**

- Double-acting
- Position sensing
- With ball bearing guide*
- Without cushioning



Difference:

- Without cushioning

Note:

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
543926	DGSL-8-10-PA	543904	DGSL-8-10-NA	
543927	DGSL-8-20-PA	543904	DGSL-8-20-NA	
543928	DGSL-8-30-PA	543904	DGSL-8-30-NA	
543929	DGSL-8-40-PA	543904	DGSL-8-40-NA	
543930	DGSL-8-50-PA	543904	DGSL-8-50-NA	
543942	DGSL-10-10-PA	543905	DGSL-10-10-NA	
543943	DGSL-10-20-PA	543905	DGSL-10-20-NA	
543944	DGSL-10-30-PA	543905	DGSL-10-30-NA	
543945	DGSL-10-40-PA	543905	DGSL-10-40-NA	
543946	DGSL-10-50-PA	543905	DGSL-10-50-NA	
543947	DGSL-10-80-PA	543905	DGSL-10-80-NA	
543961	DGSL-12-10-PA	543906	DGSL-12-10-NA	
543962	DGSL-12-20-PA	543906	DGSL-12-20-NA	
543963	DGSL-12-30-PA	543906	DGSL-12-30-NA	
543964	DGSL-12-40-PA	543906	DGSL-12-40-NA	

Mini slide
DGSL-...-PA

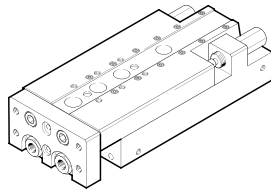
Mini slide
DGSL-...-NA

Part no.	Product type	Part no.	Alternative product type	Product comparison
543965	DGSL-12-50-PA	543906	DGSL-12-50-NA	
543966	DGSL-12-80-PA	543906	DGSL-12-80-NA	
543967	DGSL-12-100-PA	543906	DGSL-12-100-NA	
543968	DGSL-12-150-PA	543913	DGSL-12-150-NA	
543983	DGSL-16-10-PA	543907	DGSL-16-10-NA	
543984	DGSL-16-20-PA	543907	DGSL-16-20-NA	
543985	DGSL-16-30-PA	543907	DGSL-16-30-NA	
543986	DGSL-16-40-PA	543907	DGSL-16-40-NA	
543987	DGSL-16-50-PA	543907	DGSL-16-50-NA	
543988	DGSL-16-80-PA	543907	DGSL-16-80-NA	
543989	DGSL-16-100-PA	543907	DGSL-16-100-NA	
543990	DGSL-16-150-PA	543907	DGSL-16-150-NA	
544005	DGSL-20-10-PA	543908	DGSL-20-10-NA	
544006	DGSL-20-20-PA	543908	DGSL-20-20-NA	
544007	DGSL-20-30-PA	543908	DGSL-20-30-NA	
544008	DGSL-20-40-PA	543908	DGSL-20-40-NA	
544009	DGSL-20-50-PA	543908	DGSL-20-50-NA	
544010	DGSL-20-80-PA	543908	DGSL-20-80-NA	
544011	DGSL-20-100-PA	543908	DGSL-20-100-NA	
544012	DGSL-20-150-PA	543908	DGSL-20-150-NA	
544013	DGSL-20-200-PA	543908	DGSL-20-200-NA	
544030	DGSL-25-10-PA	543909	DGSL-25-10-NA	
544031	DGSL-25-20-PA	543909	DGSL-25-20-NA	
544032	DGSL-25-30-PA	543909	DGSL-25-30-NA	
544033	DGSL-25-40-PA	543909	DGSL-25-40-NA	
544034	DGSL-25-50-PA	543909	DGSL-25-50-NA	
544035	DGSL-25-80-PA	543909	DGSL-25-80-NA	
544036	DGSL-25-100-PA	543909	DGSL-25-100-NA	
544037	DGSL-25-150-PA	543909	DGSL-25-150-NA	
544038	DGSL-25-200-PA	543909	DGSL-25-200-NA	

Mini slide

SLT-...-A-CC-B

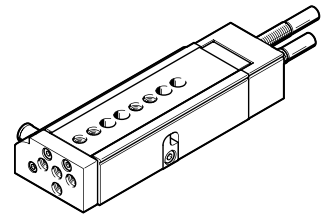
- Double-acting
- Position sensing
- Shock absorbers
- With ball bearing guide *



Mini slide

DGSL-...-Y3A

- Double-acting
- Position sensing
- Shock absorbers
- With ball bearing guide *



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

Note:

* Please observe the load curves in the technical documentation.

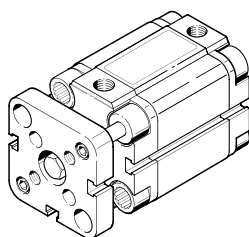
Part no.	Product type	Part no.	Alternative product type	Product comparison
197891	SLT-10-30-A-CC-B	543956	DGSL-10-30-Y3A	
197892	SLT-10-40-A-CC-B	543957	DGSL-10-40-Y3A	
197893	SLT-10-50-A-CC-B	543958	DGSL-10-50-Y3A	
197894	SLT-10-80-A-CC-B	543959	DGSL-10-80-Y3A	
197895	SLT-16-30-A-CC-B	543999	DGSL-16-30-Y3A	
197896	SLT-16-40-A-CC-B	544000	DGSL-16-40-Y3A	
197897	SLT-16-50-A-CC-B	544001	DGSL-16-50-Y3A	
197898	SLT-16-80-A-CC-B	544002	DGSL-16-80-Y3A	
197899	SLT-16-100-A-CC-B	544003	DGSL-16-100-Y3A	
197901	SLT-16-150-A-CC-B	544004	DGSL-16-150-Y3A	
197902	SLT-20-30-A-CC-B	544023	DGSL-20-30-Y3A	
197903	SLT-20-40-A-CC-B	544024	DGSL-20-40-Y3A	
197904	SLT-20-50-A-CC-B	544025	DGSL-20-50-Y3A	
197905	SLT-20-80-A-CC-B	544026	DGSL-20-80-Y3A	
197906	SLT-20-100-A-CC-B	544027	DGSL-20-100-Y3A	
197908	SLT-20-150-A-CC-B	544028	DGSL-20-150-Y3A	
197909	SLT-20-200-A-CC-B	544029	DGSL-20-200-Y3A	
197910	SLT-25-30-A-CC-B	544048	DGSL-25-30-Y3A	
197911	SLT-25-40-A-CC-B	544049	DGSL-25-40-Y3A	
197912	SLT-25-50-A-CC-B	544050	DGSL-25-50-Y3A	
197913	SLT-25-80-A-CC-B	544051	DGSL-25-80-Y3A	
197914	SLT-25-100-A-CC-B	544052	DGSL-25-100-Y3A	
197916	SLT-25-150-A-CC-B	544053	DGSL-25-150-Y3A	
197917	SLT-25-200-A-CC-B	544054	DGSL-25-200-Y3A	

Drives with guide rods

Compact cylinder

ADVUL-...-P-A

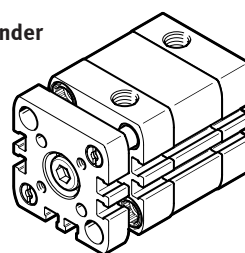
- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends
- With guide rods and yoke plate



Standards-based compact cylinder

ADNGF-...-PPS-A

- Double-acting
- Position sensing
- Pneumatic cushioning, self-adjusting at both ends
- With guide rods and yoke plate



With
PPS cushioning

self-adjusting, clean, safe.

Difference:

- Modified external dimensions and mounting dimensions
- Pneumatic cushioning, self-adjusting at both ends

Part no.	Product type	Part no.	Alternative product type	Product comparison
156859	ADVUL-20-10-P-A	577208	ADNGF-20-10-PPS-A	
156860	ADVUL-20-15-P-A	577209	ADNGF-20-15-PPS-A	
156861	ADVUL-20-20-P-A	577210	ADNGF-20-20-PPS-A	
156862	ADVUL-20-25-P-A	577211	ADNGF-20-25-PPS-A	
156863	ADVUL-20-30-P-A	577212	ADNGF-20-30-PPS-A	
156864	ADVUL-20-40-P-A	577213	ADNGF-20-40-PPS-A	
156865	ADVUL-20-50-P-A	577214	ADNGF-20-50-PPS-A	
156867	ADVUL-25-10-P-A	577216	ADNGF-25-10-PPS-A	
156868	ADVUL-25-15-P-A	577217	ADNGF-25-15-PPS-A	
156869	ADVUL-25-20-P-A	577218	ADNGF-25-20-PPS-A	
156870	ADVUL-25-25-P-A	577219	ADNGF-25-25-PPS-A	
156871	ADVUL-25-30-P-A	577220	ADNGF-25-30-PPS-A	
156872	ADVUL-25-40-P-A	577221	ADNGF-25-40-PPS-A	
156873	ADVUL-25-50-P-A	577222	ADNGF-25-50-PPS-A	
156875	ADVUL-32-10-P-A	574022	ADNGF-32-10-PPS-A	
156876	ADVUL-32-15-P-A	574023	ADNGF-32-15-PPS-A	
156877	ADVUL-32-20-P-A	574024	ADNGF-32-20-PPS-A	
156878	ADVUL-32-25-P-A	574025	ADNGF-32-25-PPS-A	
156879	ADVUL-32-30-P-A	574026	ADNGF-32-30-PPS-A	
156880	ADVUL-32-40-P-A	574027	ADNGF-32-40-PPS-A	
156881	ADVUL-32-50-P-A	574028	ADNGF-32-50-PPS-A	
156883	ADVUL-32-80-P-A	554247	ADNGF-32-80-P-A	
156885	ADVUL-40-10-P-A	574031	ADNGF-40-10-PPS-A	
156886	ADVUL-40-15-P-A	574032	ADNGF-40-15-PPS-A	
156887	ADVUL-40-20-P-A	574033	ADNGF-40-20-PPS-A	
156888	ADVUL-40-25-P-A	574034	ADNGF-40-25-PPS-A	

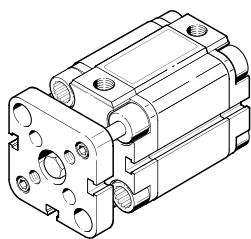
Compact cylinder
ADVUL-...-P-A

Standards-based compact cylinder
ADNGF-...-PPS-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156889	ADVUL-40-30-P-A	574035	ADNGF-40-30-PPS-A	
156890	ADVUL-40-40-P-A	574036	ADNGF-40-40-PPS-A	
156891	ADVUL-40-50-P-A	574037	ADNGF-40-50-PPS-A	
156892	ADVUL-40-60-P-A	554256	ADNGF-40-60-P-A	
156893	ADVUL-40-80-P-A	554257	ADNGF-40-80-P-A	
156894	ADVUL-50-10-P-A	574040	ADNGF-50-10-PPS-A	
156895	ADVUL-50-15-P-A	574041	ADNGF-50-15-PPS-A	
156896	ADVUL-50-20-P-A	574042	ADNGF-50-20-PPS-A	
156897	ADVUL-50-25-P-A	574043	ADNGF-50-25-PPS-A	
156898	ADVUL-50-30-P-A	574044	ADNGF-50-30-PPS-A	
156899	ADVUL-50-40-P-A	574045	ADNGF-50-40-PPS-A	
156900	ADVUL-50-50-P-A	574046	ADNGF-50-50-PPS-A	
156901	ADVUL-50-60-P-A	574047	ADNGF-50-60-PPS-A	
156902	ADVUL-50-80-P-A	574048	ADNGF-50-80-PPS-A	
156903	ADVUL-63-10-P-A	574049	ADNGF-63-10-PPS-A	
156904	ADVUL-63-15-P-A	574050	ADNGF-63-15-PPS-A	
156905	ADVUL-63-20-P-A	574051	ADNGF-63-20-PPS-A	
156906	ADVUL-63-25-P-A	574052	ADNGF-63-25-PPS-A	
156907	ADVUL-63-30-P-A	574053	ADNGF-63-30-PPS-A	
156908	ADVUL-63-40-P-A	574054	ADNGF-63-40-PPS-A	
156909	ADVUL-63-50-P-A	574055	ADNGF-63-50-PPS-A	
156910	ADVUL-63-60-P-A	574056	ADNGF-63-60-PPS-A	
156911	ADVUL-63-80-P-A	574057	ADNGF-63-80-PPS-A	
156912	ADVUL-80-10-P-A	574058	ADNGF-80-10-PPS-A	
156913	ADVUL-80-15-P-A	574059	ADNGF-80-15-PPS-A	
156914	ADVUL-80-20-P-A	574060	ADNGF-80-20-PPS-A	
156915	ADVUL-80-25-P-A	574061	ADNGF-80-25-PPS-A	
156916	ADVUL-80-30-P-A	574062	ADNGF-80-30-PPS-A	
156917	ADVUL-80-40-P-A	574063	ADNGF-80-40-PPS-A	
156918	ADVUL-80-50-P-A	574064	ADNGF-80-50-PPS-A	
156919	ADVUL-80-60-P-A	574065	ADNGF-80-60-PPS-A	
156920	ADVUL-80-80-P-A	574066	ADNGF-80-80-PPS-A	

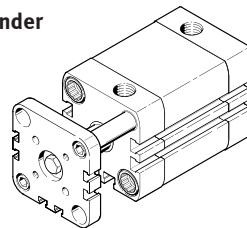
**Compact cylinder
ADVUL-...-P-A**

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends
- With guide rods and yoke plate



**Standards-based compact cylinder
ADNGF-...-P-A**

- Double-acting
- Position sensing
- Elastic cushioning rings/plates at both ends
- With guide rods and yoke plate



Difference:

- Modified external dimensions and mounting dimensions

Part no.	Product type	Part no.	Alternative product type	Product comparison
156844	ADVUL-12-5-P-A	554205	ADNGF-12-5-P-A	
156845	ADVUL-12-10-P-A	554206	ADNGF-12-10-P-A	
156846	ADVUL-12-15-P-A	554207	ADNGF-12-15-P-A	
156847	ADVUL-12-20-P-A	554208	ADNGF-12-20-P-A	
156848	ADVUL-12-25-P-A	554209	ADNGF-12-25-P-A	
156849	ADVUL-12-30-P-A	554210	ADNGF-12-30-P-A	
156850	ADVUL-12-40-P-A	554211	ADNGF-12-40-P-A	
156851	ADVUL-16-5-P-A	554212	ADNGF-16-5-P-A	
156852	ADVUL-16-10-P-A	554213	ADNGF-16-10-P-A	
156853	ADVUL-16-15-P-A	554214	ADNGF-16-15-P-A	
156854	ADVUL-16-20-P-A	554215	ADNGF-16-20-P-A	
156855	ADVUL-16-25-P-A	554216	ADNGF-16-25-P-A	
156856	ADVUL-16-30-P-A	554217	ADNGF-16-30-P-A	
156857	ADVUL-16-40-P-A	554218	ADNGF-16-40-P-A	
156858	ADVUL-20-5-P-A	554220	ADNGF-20-5-P-A	
156859	ADVUL-20-10-P-A	554221	ADNGF-20-10-P-A	
156860	ADVUL-20-15-P-A	554222	ADNGF-20-15-P-A	
156861	ADVUL-20-20-P-A	554223	ADNGF-20-20-P-A	
156862	ADVUL-20-25-P-A	554224	ADNGF-20-25-P-A	
156863	ADVUL-20-30-P-A	554225	ADNGF-20-30-P-A	
156864	ADVUL-20-40-P-A	554226	ADNGF-20-40-P-A	
156865	ADVUL-20-50-P-A	554227	ADNGF-20-50-P-A	
156866	ADVUL-25-5-P-A	554229	ADNGF-25-5-P-A	
156867	ADVUL-25-10-P-A	554230	ADNGF-25-10-P-A	
156868	ADVUL-25-15-P-A	554231	ADNGF-25-15-P-A	
156869	ADVUL-25-20-P-A	554232	ADNGF-25-20-P-A	
156870	ADVUL-25-25-P-A	554233	ADNGF-25-25-P-A	
156871	ADVUL-25-30-P-A	554234	ADNGF-25-30-P-A	
156872	ADVUL-25-40-P-A	554235	ADNGF-25-40-P-A	
156873	ADVUL-25-50-P-A	554236	ADNGF-25-50-P-A	
156874	ADVUL-32-5-P-A	554238	ADNGF-32-5-P-A	
156875	ADVUL-32-10-P-A	554239	ADNGF-32-10-P-A	

Compact cylinder
ADVUL-...-P-A

Standards-based compact cylinder
ADNGF-...-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156876	ADVUL-32-15-P-A	554240	ADNGF-32-15-P-A	
156877	ADVUL-32-20-P-A	554241	ADNGF-32-20-P-A	
156878	ADVUL-32-25-P-A	554242	ADNGF-32-25-P-A	
156879	ADVUL-32-30-P-A	554243	ADNGF-32-30-P-A	
156880	ADVUL-32-40-P-A	554244	ADNGF-32-40-P-A	
156881	ADVUL-32-50-P-A	554245	ADNGF-32-50-P-A	
156884	ADVUL-40-5-P-A	554248	ADNGF-40-5-P-A	
156885	ADVUL-40-10-P-A	554249	ADNGF-40-10-P-A	
156886	ADVUL-40-15-P-A	554250	ADNGF-40-15-P-A	
156887	ADVUL-40-20-P-A	554251	ADNGF-40-20-P-A	
156888	ADVUL-40-25-P-A	554252	ADNGF-40-25-P-A	
156889	ADVUL-40-30-P-A	554253	ADNGF-40-30-P-A	
156890	ADVUL-40-40-P-A	554254	ADNGF-40-40-P-A	
156891	ADVUL-40-50-P-A	554255	ADNGF-40-50-P-A	
156894	ADVUL-50-10-P-A	554259	ADNGF-50-10-P-A	
156895	ADVUL-50-15-P-A	554260	ADNGF-50-15-P-A	
156896	ADVUL-50-20-P-A	554261	ADNGF-50-20-P-A	
156897	ADVUL-50-25-P-A	554262	ADNGF-50-25-P-A	
156898	ADVUL-50-30-P-A	554263	ADNGF-50-30-P-A	
156899	ADVUL-50-40-P-A	554264	ADNGF-50-40-P-A	
156900	ADVUL-50-50-P-A	554265	ADNGF-50-50-P-A	
156901	ADVUL-50-60-P-A	554266	ADNGF-50-60-P-A	
156902	ADVUL-50-80-P-A	554267	ADNGF-50-80-P-A	
156903	ADVUL-63-10-P-A	554268	ADNGF-63-10-P-A	
156904	ADVUL-63-15-P-A	554269	ADNGF-63-15-P-A	
156905	ADVUL-63-20-P-A	554270	ADNGF-63-20-P-A	
156906	ADVUL-63-25-P-A	554271	ADNGF-63-25-P-A	
156907	ADVUL-63-30-P-A	554272	ADNGF-63-30-P-A	
156908	ADVUL-63-40-P-A	554273	ADNGF-63-40-P-A	
156909	ADVUL-63-50-P-A	554274	ADNGF-63-50-P-A	
156910	ADVUL-63-60-P-A	554275	ADNGF-63-60-P-A	
156911	ADVUL-63-80-P-A	554276	ADNGF-63-80-P-A	
156912	ADVUL-80-10-P-A	554277	ADNGF-80-10-P-A	
156913	ADVUL-80-15-P-A	554278	ADNGF-80-15-P-A	
156914	ADVUL-80-20-P-A	554279	ADNGF-80-20-P-A	
156915	ADVUL-80-25-P-A	554280	ADNGF-80-25-P-A	
156916	ADVUL-80-30-P-A	554281	ADNGF-80-30-P-A	
156917	ADVUL-80-40-P-A	554282	ADNGF-80-40-P-A	
156918	ADVUL-80-50-P-A	554283	ADNGF-80-50-P-A	
156919	ADVUL-80-60-P-A	554284	ADNGF-80-60-P-A	
156920	ADVUL-80-80-P-A	554285	ADNGF-80-80-P-A	

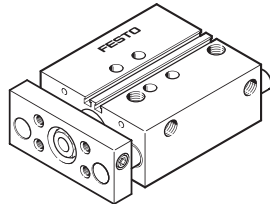
Compact cylinder
ADVUL-...-P-A

Standards-based compact cylinder
ADNGF-...-P-A

Part no.	Product type	Part no.	Alternative product type	Product comparison
156921	ADVUL-100-10-P-A	554286	ADNGF-100-10-P-A	
156922	ADVUL-100-15-P-A	554287	ADNGF-100-15-P-A	
156923	ADVUL-100-20-P-A	554288	ADNGF-100-20-P-A	
156924	ADVUL-100-25-P-A	554289	ADNGF-100-25-P-A	
156925	ADVUL-100-30-P-A	554290	ADNGF-100-30-P-A	
156926	ADVUL-100-40-P-A	554291	ADNGF-100-40-P-A	
156927	ADVUL-100-50-P-A	554292	ADNGF-100-50-P-A	
156928	ADVUL-100-60-P-A	554293	ADNGF-100-60-P-A	
156929	ADVUL-100-80-P-A	554294	ADNGF-100-80-P-A	

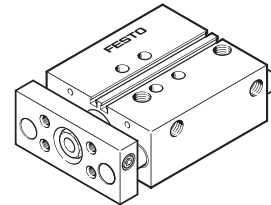
Guided drive
DFM-...-P-A-KF

- With ball bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Guided drive
DFM-...-P-A-GF

- With plain-bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- Plain-bearing guide instead of ball bearing guide
- Modified technical data

Part no.	Product type	Part no.	Alternative product type	Product comparison
170901	DFM-12-25-P-A-KF	170826	DFM-12-25-P-A-GF	
170906	DFM-12-100-P-A-KF	170831	DFM-12-100-P-A-GF	
170909	DFM-16-25-P-A-KF	170834	DFM-16-25-P-A-GF	
170913	DFM-16-80-P-A-KF	170839	DFM-16-100-P-A-GF	
170916	DFM-20-25-P-A-KF	170841	DFM-20-25-P-A-GF	
170921	DFM-20-100-P-A-KF	170846	DFM-20-100-P-A-GF	
170923	DFM-25-25-P-A-KF	170848	DFM-25-25-P-A-GF	
170928	DFM-25-100-P-A-KF	170853	DFM-25-100-P-A-GF	
170930	DFM-32-25-P-A-KF	170855	DFM-32-25-P-A-GF	
170935	DFM-32-100-P-A-KF	170860	DFM-32-100-P-A-GF	
170938	DFM-32-200-P-A-KF	170863	DFM-32-200-P-A-GF	

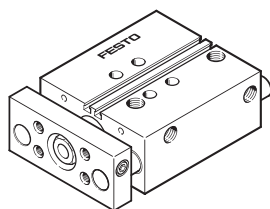
Guided drive
DFM-...-P-A-KF

Guided drive
DFM-...-P-A-GF

Part no.	Product type	Part no.	Alternative product type	Product comparison
170939	DFM-40-25-P-A-KF	170864	DFM-40-25-P-A-GF	
170942	DFM-40-100-P-A-KF	170867	DFM-40-100-P-A-GF	
170945	DFM-40-200-P-A-KF	170870	DFM-40-200-P-A-GF	
170946	DFM-50-25-P-A-KF	170871	DFM-50-25-P-A-GF	
170949	DFM-50-100-P-A-KF	170874	DFM-50-100-P-A-GF	
170952	DFM-50-200-P-A-KF	170877	DFM-50-200-P-A-GF	
170953	DFM-63-25-P-A-KF	170878	DFM-63-25-P-A-GF	
170956	DFM-63-100-P-A-KF	170881	DFM-63-100-P-A-GF	
170959	DFM-63-200-P-A-KF	170884	DFM-63-200-P-A-GF	

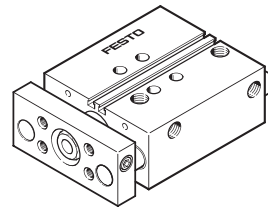
Guided drive
DFM-...-P-A-KF

- With ball bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Guided drive
DFM-...-B-P-A-GF

- With plain-bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- Plain-bearing guide instead of ball bearing guide
- Modified technical data

Note:

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
529119	DFM-12-25-B-P-A-KF	529119	DFM-12-25-B-P-A-GF	
529119	DFM-12-100-B-P-A-KF	529119	DFM-12-100-B-P-A-GF	
529120	DFM-16-25-B-P-A-KF	529120	DFM-16-25-B-P-A-GF	
529120	DFM-16-100-B-P-A-KF	529120	DFM-16-100-B-P-A-GF	
532316	DFM-20-25-B-P-A-KF	532316	DFM-20-25-B-P-A-GF	
532316	DFM-20-100-B-P-A-KF	532316	DFM-20-100-B-P-A-GF	
532317	DFM-25-25-B-P-A-KF	532317	DFM-25-25-B-P-A-GF	
532317	DFM-25-100-B-P-A-KF	532317	DFM-25-100-B-P-A-GF	
532318	DFM-32-25-B-P-A-KF	532318	DFM-32-25-B-P-A-GF	
532318	DFM-32-100-B-P-A-KF	532318	DFM-32-100-B-P-A-GF	
532318	DFM-32-200-B-P-A-KF	532318	DFM-32-200-B-P-A-GF	
532319	DFM-40-25-B-P-A-KF	532319	DFM-40-25-B-P-A-GF	
532319	DFM-40-100-B-P-A-KF	532319	DFM-40-100-B-P-A-GF	
532319	DFM-40-200-B-P-A-KF	532319	DFM-40-200-B-P-A-GF	

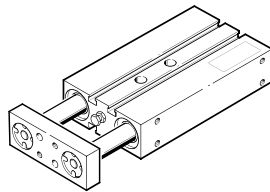
Guided drive
DFM-....-P-A-KF

Guided drive
DFM-....-B-P-A-GF

Part no.	Product type	Part no.	Alternative product type	Product comparison
534769	DFM-50-25-B-P-A-KF	534769	DFM-50-25-B-P-A-GF	
534769	DFM-50-100-B-P-A-KF	534769	DFM-50-100-B-P-A-GF	
534769	DFM-50-200-B-P-A-KF	534769	DFM-50-200-B-P-A-GF	
534770	DFM-63-25-B-P-A-KF	534770	DFM-63-25-B-P-A-GF	
534770	DFM-63-100-B-P-A-KF	534770	DFM-63-100-B-P-A-GF	
534770	DFM-63-200-B-P-A-KF	534770	DFM-63-200-B-P-A-GF	
170963	DFM-80-100-P-A-KF	170888	DFM-80-100-P-A-GF	
170966	DFM-80-200-P-A-KF	170891	DFM-80-200-P-A-GF	
170967	DFM-100-25-P-A-KF	170892	DFM-100-25-P-A-GF	
170970	DFM-100-100-P-A-KF	170895	DFM-100-100-P-A-GF	
170973	DFM-100-200-P-A-KF	170898	DFM-100-200-P-A-GF	

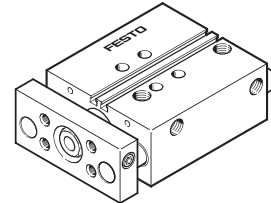
Twin-piston cylinder
DPZ-....-P-A

- With plain-bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Guided drive
DFM-....-B-P-A-GF

- With plain-bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

Note:

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
32681	DPZ-10-10-P-A	529119	DFM-12-10-B-P-A-GF	
32682	DPZ-10-25-P-A	529119	DFM-12-25-B-P-A-GF	
32683	DPZ-10-40-P-A	529119	DFM-12-40-B-P-A-GF	
32684	DPZ-10-50-P-A	529119	DFM-12-50-B-P-A-GF	
32686	DPZ-16-10-P-A	529120	DFM-16-10-B-P-A-GF	
32687	DPZ-16-25-P-A	529120	DFM-16-25-B-P-A-GF	
32688	DPZ-16-40-P-A	529120	DFM-16-40-B-P-A-GF	
32689	DPZ-16-50-P-A	529120	DFM-16-50-B-P-A-GF	
32690	DPZ-16-80-P-A	529120	DFM-16-80-B-P-A-GF	
32691	DPZ-16-100-P-A	529120	DFM-16-100-B-P-A-GF	

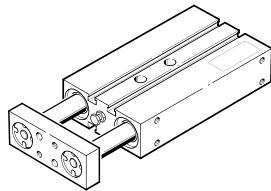
Twin-piston cylinder
DPZ-...-P-A

Guided drive
DFM-...-B-P-A-GF

Part no.	Product type	Part no.	Alternative product type	Product comparison
32694	DPZ-20-25-P-A	532316	DFM-20-25-B-P-A-GF	
32695	DPZ-20-40-P-A	532316	DFM-20-40-B-P-A-GF	
32696	DPZ-20-50-P-A	532316	DFM-20-50-B-P-A-GF	
32697	DPZ-20-80-P-A	532316	DFM-20-80-B-P-A-GF	
32698	DPZ-20-100-P-A	532316	DFM-20-100-B-P-A-GF	
32701	DPZ-25-25-P-A	532317	DFM-25-25-B-P-A-GF	
32702	DPZ-25-40-P-A	532317	DFM-25-40-B-P-A-GF	
32703	DPZ-25-50-P-A	532317	DFM-25-50-B-P-A-GF	
32704	DPZ-25-80-P-A	532317	DFM-25-80-B-P-A-GF	
32705	DPZ-25-100-P-A	532317	DFM-25-100-B-P-A-GF	
159818	DPZ-32-25-P-A	532318	DFM-32-25-B-P-A-GF	
159819	DPZ-32-40-P-A	532318	DFM-32-40-B-P-A-GF	
159820	DPZ-32-50-P-A	532318	DFM-32-50-B-P-A-GF	
159821	DPZ-32-80-P-A	532318	DFM-32-80-B-P-A-GF	
159822	DPZ-32-100-P-A	532318	DFM-32-100-B-P-A-GF	

Twin-piston cylinder
DPZ-...P-A-KF

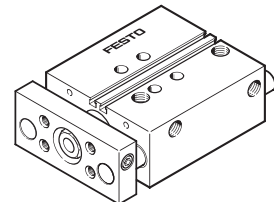
- With ball bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Guided drive

DFM-...-B-P-A-KF

- With ball bearing guide *
- Position sensing
- Elastic cushioning rings/plates at both ends



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

Note:

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
162001	DPZ-10-10-P-A-KF	529119	DFM-12-10-B-P-A-KF	
162002	DPZ-10-25-P-A-KF	529119	DFM-12-25-B-P-A-KF	
162003	DPZ-10-40-P-A-KF	529119	DFM-12-40-B-P-A-KF	
162004	DPZ-10-50-P-A-KF	529119	DFM-12-50-B-P-A-KF	
162026	DPZ-16-10-P-A-KF	529120	DFM-16-10-B-P-A-KF	
162027	DPZ-16-25-P-A-KF	529120	DFM-16-25-B-P-A-KF	
162028	DPZ-16-40-P-A-KF	529120	DFM-16-40-B-P-A-KF	
162029	DPZ-16-50-P-A-KF	529120	DFM-16-50-B-P-A-KF	
162030	DPZ-16-80-P-A-KF	529120	DFM-16-80-B-P-A-KF	

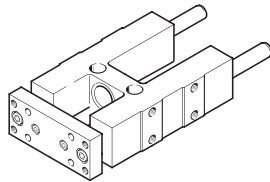
Twin-piston cylinder
DPZ-...P-A-KF

Guided drive
DFM-...-B-P-A-KF

Part no.	Product type	Part no.	Alternative product type	Product comparison
162031	DPZ-16-100-P-A-KF	529120	DFM-16-100-B-P-A-KF	
162062	DPZ-20-25-P-A-KF	532316	DFM-20-25-B-P-A-KF	
162063	DPZ-20-40-P-A-KF	532316	DFM-20-40-B-P-A-KF	
162064	DPZ-20-50-P-A-KF	532316	DFM-20-50-B-P-A-KF	
162065	DPZ-20-80-P-A-KF	532316	DFM-20-80-B-P-A-KF	
162066	DPZ-20-100-P-A-KF	532316	DFM-20-100-B-P-A-KF	
162097	DPZ-25-25-P-A-KF	532317	DFM-25-25-B-P-A-KF	
162098	DPZ-25-40-P-A-KF	532317	DFM-25-40-B-P-A-KF	
162099	DPZ-25-50-P-A-KF	532317	DFM-25-50-B-P-A-KF	
162100	DPZ-25-80-P-A-KF	532317	DFM-25-80-B-P-A-KF	
162101	DPZ-25-100-P-A-KF	532317	DFM-25-100-B-P-A-KF	
162132	DPZ-32-25-P-A-KF	532318	DFM-32-25-B-P-A-KF	
162133	DPZ-32-40-P-A-KF	532318	DFM-32-40-B-P-A-KF	
162134	DPZ-32-50-P-A-KF	532318	DFM-32-50-B-P-A-KF	
162135	DPZ-32-80-P-A-KF	532318	DFM-32-80-B-P-A-KF	
162136	DPZ-32-100-P-A-KF	532318	DFM-32-100-B-P-A-KF	

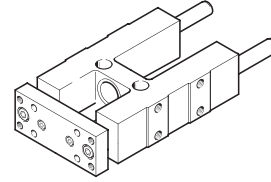
Guide unit
FEN-...-KF
FENG-...-KF

– With ball bearing guide *



Guide unit
FEN-...-KF
FENG-...-KF

– With plain-bearing guide *



Difference:

- Plain-bearing guide instead of ball bearing guide
- Modified technical data

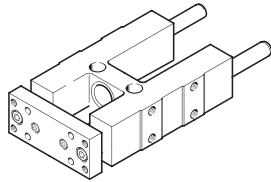
Note:

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
For standards-based cylinders to ISO 6432				
35197	FEN-8/10-100-KF	35196	FEN-8/10-100-GF	
33481	FEN-12/16-100-KF	19168	FEN-12/16-100-GF	
33482	FEN-20-100-KF	19169	FEN-20-100-GF	
33483	FEN-25-100-KF	19170	FEN-25-100-GF	
For standards-based cylinders to ISO 15552				
34494	FENG-32-100-KF	34481	FENG-32-100-GF	
34500	FENG-40-100-KF	34482	FENG-40-100-GF	
34507	FENG-50-100-KF	34483	FENG-50-100-GF	
34514	FENG-63-100-KF	34484	FENG-63-100-GF	
34522	FENG-80-100-KF	34485	FENG-80-100-GF	
34530	FENG-100-100-KF	34486	FENG-100-100-GF	

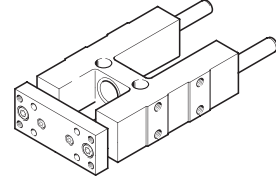
**Guide unit
FENV-...-KF**

- With ball bearing guide *



**Guide unit
FEN-...-KF
FENG-...-KF**

- With ball bearing guide *



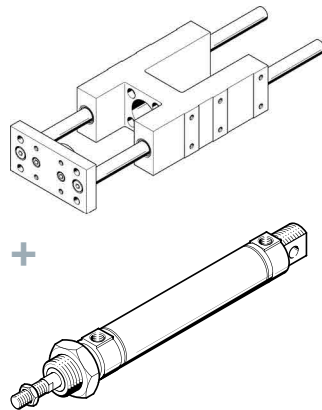
Difference:

- Functions are interchangeable

Part no.	Product type	Part no.	Alternative product type	Product comparison
For standards-based cylinders to ISO 6432				
30659	FENV- 25-100-KF	33483	FEN-25-100-KF	
30660	FENV- 32-100-KF	34487	FENG-32-100-KF	
30661	FENV- 40-100-KF	34488	FENG-40-100-KF	
30662	FENV- 50-100-KF	34489	FENG-50-100-KF	
30663	FENV- 63-100-KF	34490	FENG-63-100-KF	
30664	FENV- 80-100-KF	34491	FENG-80-100-KF	
30665	FENV-100-100-KF	34492	FENG-100-100-KF	

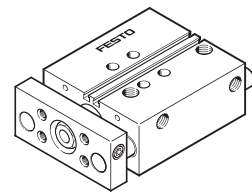
**Guide unit
+ accessories for standards-
based cylinders
FEN-... + DSNU-...**

- With plain-bearing guide *



**Guided drive
DFM-...-GF**

- With plain-bearing guide *



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

Note:

Guide unit and cylinder should be ordered separately and are to be assembled by the customer.

* Please observe the load curves in the technical documentation.

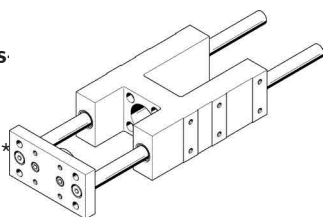
Part no.	Product type	Part no.	Alternative product type	Product comparison
19168	FEN-12/16-100	529119	DFM-12-100-B-P-A-GF	
Accessories:				
19194	DSNU-12-100-P-A			
19168	FEN-12/16-100	529120	DFM-16-100-B-P-A-GF	
Accessories:				
19203	DSNU-16-100-P-A			
19169	FEN-20-100	532316	DFM-20-100-B-P-A-GF	
Accessories:				
19212	DSNU-20-100-P-A			

Guide unit

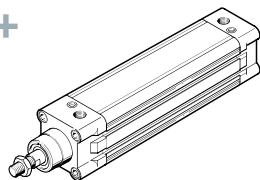
+ accessories for standards-based cylinders

FENG-... + DNC-...-P-A

– With plain-bearing guide *



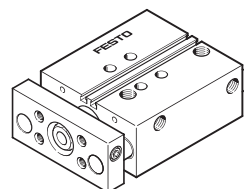
+



Guided drive

DFM-...-GF

– With plain-bearing guide *



Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data

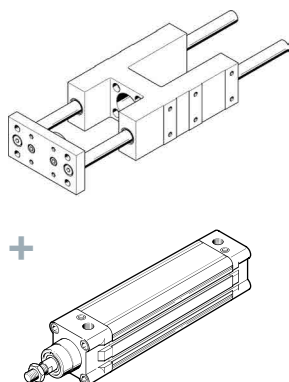
Note:

Guide unit and cylinder should be ordered separately and are to be assembled by the customer.

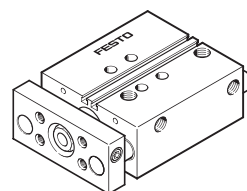
* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
34482	FENG-40-100	532319	DFM-40-100-B-P-A-GF	
Accessories:				
163334	DNC-40-100-P-A			
34483	FENG-50-100	534769	DFM-50-100-B-P-A-GF	
Accessories:				
163366	DNC-50-100-P-A			
34484	FENG-63-100	534770	DFM-63-100-B-P-A-GF	
Accesso-ries:				
163398	DNC-63-100-P-A			
34485	FENG-80-100	170888	DFM-80-100-P-A-GF	
Accessories:				
163430	DNC-80-100-P-A			
34486	FENG-100-100	170895	DFM-100-100-P-A-GF	
Accessories:				
163462	DNC-100-100-P-A			

Guide unit
+ accessories for standards-
based cylinders
FENG-...-KF + DNC-...-P-A
 – With ball bearing guide *



Guided drive
DFM-...-KF
 – With ball bearing guide *



Difference:
 – Modified external dimensions
 and mounting dimensions
 – Modified technical data

Note:

Guide unit and cylinder should be ordered separately
 and are to be assembled by the customer.

* Please observe the load curves in the technical documentation.

Part no.	Product type	Part no.	Alternative product type	Product comparison
34500	FENG-40-100-KF	532319	DFM-40-100-B-P-A-KF	
Accessories:				
163334	DNC-40-100-P-A			
34507	FENG-50-100-KF	534769	DFM-50-100-B-P-A-KF	
Accessories:				
163366	DNC-50-100-P-A			
34514	FENG-63-100-KF	534770	DFM-63-100-B-P-A-KF	
Accessories:				
163398	DNC-63-100-P-A			
34522	FENG-80-100-KF	170963	DFM-80-100-P-A-KF	
Accessories:				
163430	DNC-80-100-P-A			
34530	FENG-100-100-KF	170970	DFM-100-100-P-A-KF	
Accessories:				
163462	DNC-100-100-P-A			

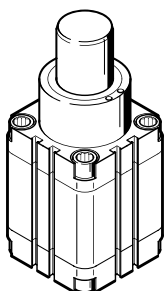
Stopper cylinders

Stopper cylinder with trunnion STA-...-P-A

- Single- or double-acting
- Elastic cushioning rings/plates at both ends

Note:

- Can be converted easily to double-acting cylinder

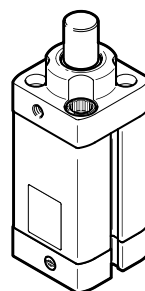


Stopper cylinder with trunnion DFSP-Q-...-PR-PA

- Double-acting extending with spring
- Elastic cushioning rings/plates at both ends

Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data



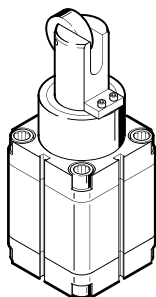
Part no.	Product type	Part no.	Alternative product type	Product comparison
164887	STA-20-15-P-A	576079	DFSP-20-15-PS-PA	
164888	STA-32-20-P-A	576103	DFSP-32-20-PS-PA	
164889	STA-50-30-P-A	576152	DFSP-50-30-PS-PA	

Stopper cylinder with roller STA-...-P-A-R

- Single- or double-acting
- Elastic cushioning rings/plates at both ends

Note:

- Can be converted easily to double-acting cylinder

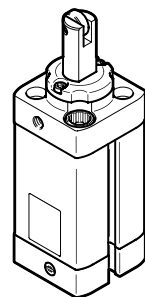


Stopper cylinder with roller DFSP-Q-...-PR-PA

- Double-acting with spring
- Protected against rotation
- Elastic cushioning rings/plates at both ends

Difference:

- Modified external dimensions and mounting dimensions
- Modified technical data



Part no.	Product type	Part no.	Alternative product type	Product comparison
164883	STA-20-15-P-A-R	576094	DFSP-Q-20-15-PR-PA	
164884	STA-32-20-P-A-R	576118	DFSP-Q-32-20-PR-PA	
164885	STA-50-30-P-A-R	576167	DFSP-Q-50-30-PR-PA	

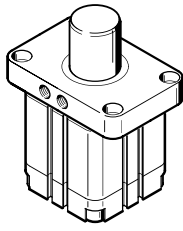
Added value in detail » Stopper cylinders

Stopper cylinder with flange plate STAF-...-P-A

- Single- or double-acting
- Elastic cushioning rings/plates at both ends

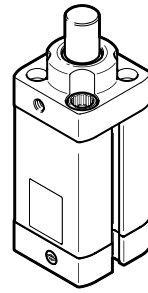
Note:

- Can be converted easily to double-acting cylinder



Stopper cylinder with flange plate DFSP-...-PS-PA

- STAF Double-acting with spring
- Protected against rotation
- Elastic cushioning rings/plates at both ends



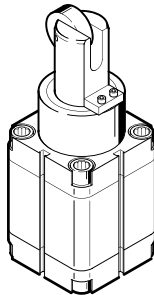
Part no.	Product type	Part no.	Alternative product type	Product comparison
164890	STAF-32-20-P-A	576103	DFSP-32-20-PS-PA	
164891	STAF-50-30-P-A	576152	DFSP-50-30-PS-PA	

Stopper cylinder with roller and flange plate STA-...-P-A-R

- Single- or double-acting
- Elastic cushioning rings/plates at both ends

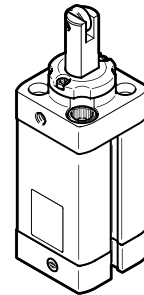
Note:

- Can be converted easily to double-acting cylinder



Stopper cylinder with roller DFSP-Q-...-PR-PA

- Double-acting with spring
- Protected against rotation
- Elastic cushioning rings/plates at both ends



Part no.	Product type	Part no.	Alternative product type	Product comparison
164892	STAF-32-20-P-A-R	576118	DFSP-Q-32-20-PR-PA	
164893	STAF-50-30-P-A-R	576167	DFSP-Q-50-30-PR-PA	

Electromechanical drives

Linear drives and slides

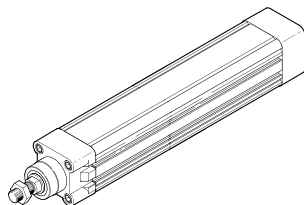
DNCE modular system and ESBF modular system or ESBF bestsellers

Electric cylinder

DNCE-...-BS-...-P-Q

DNCE-...-LS-...-P-Q

- Electromechanical linear axis with piston rod
- Ball screw spindle



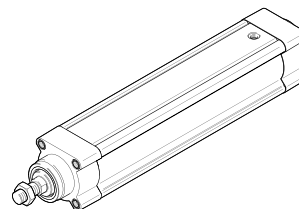
Electric cylinder

ESBF-BS-...-P

ESBF-LS-...-P

Difference:

- Not 1:1 interchangeable
- Higher feed forces
- Clean look – smooth surfaces



Cost saving by downsizing (example): DNCE-63 to ESBF-40
DNCE-40 to ESBF-32

Part no.	Product type	Part no.	Alternative product type	Product comparison
555488	DNCE-32-100-BS-...P-Q	8022562	ESBF-BS-32-100-5P	
555488	DNCE-32-100-BS-...P-Q	2215384	ESBF-BS-32-200-5P	
555488	DNCE-32-300-BS-...P-Q	8022563	ESBF-BS-32-300-5P	
555488	DNCE-32-400-BS-...P-Q	8022564	ESBF-BS-32-400-5P	
555488	DNCE-32-100-BS-...10P-Q	8022565	ESBF-BS-32-100-10P	
555488	DNCE-32-200-BS-...10P-Q	8022566	ESBF-BS-32-200-10P	
555488	DNCE-32-300-BS-...10P-Q	8022567	ESBF-BS-32-300-10P	
555488	DNCE-32-400-BS-...10P-Q	8022568	ESBF-BS-32-400-10P	
555488	DNCE-32-...	8022569	ESBF-...-32- -	
555488	DNCE-32-100-LS-...1,5P-Q	8022570	ESBF-LS-32-100-2.5P	
555488	DNCE-32-200-LS-...1,5P-Q	2295381	ESBF-LS-32-200-2.5P	
555488	DNCE-32-300-LS-...1,5P-Q	8022571	ESBF-LS-32-300-2.5P	
555488	DNCE-32-400-LS-...1,5P-Q	8022572	ESBF-LS-32-400-2.5P	
555489	DNCE-40-100-BS-...5P-Q	8022574	ESBF-BS-40-100-5P	
555489	DNCE-40-200-BS-...5P-Q	2215385	ESBF-BS-40-200-5P	
555489	DNCE-40-300-BS-...5P-Q	8022575	ESBF-BS-40-300-5P	
555489	DNCE-40-400-BS-...5P-Q	8022576	ESBF-BS-40-400-5P	
555489	DNCE-40-100-BS-...12,7P-Q	8022577	ESBF-BS-40-100-10P	
555489	DNCE-40-200-BS-...12,7P-Q	8022578	ESBF-BS-40-200-10P	
555489	DNCE-40-300-BS-...12,7P-Q	8022579	ESBF-BS-40-300-10P	
555489	DNCE-40-400-BS-...12,7P-Q	8022580	ESBF-BS-40-400-10P	
555489	DNCE-40-100-BS-...12,7P-Q	8022581	ESBF-BS-40-100-16P	
555489	DNCE-40-200-BS-...12,7P-Q	8022582	ESBF-BS-40-200-16P	
555489	DNCE-40-300-BS-...12,7P-Q	8022583	ESBF-BS-40-300-16P	
555489	DNCE-40-400-BS-...12,7P-Q	8022584	ESBF-BS-40-400-16P	
555489	DNCE-40-...	8022585	ESBF-...-40- -	
555489	DNCE-40-100-LS-...2,5P-Q	8022586	ESBF-LS-40-100-3P	
555489	DNCE-40-200-LS-...2,5P-Q	2295382	ESBF-LS-40-200-3P	

Electric cylinder
DNCE-...-BS-...P-Q
DNCE-...-LS-...P-Q

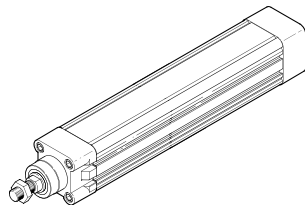
Electric cylinder
ESBF-BS-...-P
ESBF-LS-...-P

Part no.	Product type	Part no.	Alternative product type	Product comparison
555489	DNCE-40-300-LS-2,5P-Q	8022587	ESBF-LS-40-300-3P	
555489	DNCE-40-400-LS-2,5P-Q	8022588	ESBF-LS-40-400-3P	
555490	DNCE-63-100-BS-10P-Q	8022593	ESBF-BS-50-100-10P	
555490	DNCE-63-200-BS-10P-Q	8022594	ESBF-BS-50-200-10P	
555490	DNCE-63-300-BS-10P-Q	8022595	ESBF-BS-50-300-10P	
555490	DNCE-63-400-BS-10P-Q	8022596	ESBF-BS-50-400-10P	
555490	DNCE-63-100-BS-20P-Q	8022597	ESBF-BS-50-100-20P	
555490	DNCE-63-200-BS-20P-Q	8022598	ESBF-BS-50-200-20P	
555490	DNCE-63-300-BS-20P-Q	8022599	ESBF-BS-50-300-20P	
555490	DNCE-63-400-BS-20P-Q	8022600	ESBF-BS-50-400-20P	
555490	DNCE-63-...	8022601	ESBF-...-50- -	
555490	DNCE-63-100-LS-4P-Q	8022602	ESBF-LS-50-100-4P	
555490	DNCE-63-200-LS-4P-Q	2295383	ESBF-LS-50-200-4P	
555490	DNCE-63-300-LS-4P-Q	8022603	ESBF-LS-50-300-4P	
555490	DNCE-63-400-LS-4P-Q	8022604	ESBF-LS-50-400-4P	

DNCE bestsellers and ESBF bestsellers or ESBF modular system

Electric cylinder
DNCE-...-BS-...P-Q
DNCE-...-LS-...P-Q

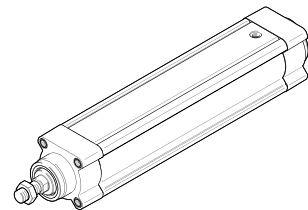
- Electromechanical linear axis with piston rod
- Ball screw spindle



Electric cylinder
ESBF-BS-...-P
ESBF-LS-...-P

Difference:

- Not 1:1 interchangeable
- Higher feed forces
- Clean look – smooth surfaces



Cost saving by downsizing (example): DNCE-63 to ESBF-40
DNCE-40 to ESBF-32

Part no.	Product type	Part no.	Alternative product type	Product comparison
543115	DNCE-32-100-BS-3P-Q	8022562	ESBF-BS-32-100-5P	
543116	DNCE-32-200-BS-3P-Q	2215384	ESBF-BS-32-200-5P	
543117	DNCE-32-300-BS-3P-Q	8022563	ESBF-BS-32-300-5P	
543118	DNCE-32-400-BS-3P-Q	8022564	ESBF-BS-32-400-5P	
543119	DNCE-32-100-BS-10P-Q	8022565	ESBF-BS-32-100-10P	
543120	DNCE-32-200-BS-10P-Q	8022566	ESBF-BS-32-200-10P	
543121	DNCE-32-300-BS-10P-Q	8022567	ESBF-BS-32-300-10P	

Electric cylinder
DNCE-...-BS-”...”P-Q

Electric cylinder
ESBF-BS-...-P
ESBF-LS-...-P

Part no.	Product type	Part no.	Alternative product type	Product comparison
543122	DNCE-32-400-BS-”10”P-Q	8022568	ESBF-BS-32-400-10P	
543111	DNCE-32-100-LS-”1,5”P-Q	8022570	ESBF-LS-32-100-2.5P	
543112	DNCE-32-200-LS-”1,5”P-Q	8022569	ESBF-...-32- -	
543113	DNCE-32-300-LS-”1,5”P-Q	8022571	ESBF-LS-32-300-2.5P	
543114	DNCE-32-400-LS-”1,5”P-Q	8022572	ESBF-LS-32-400-2.5P	
543127	DNCE-40-100-BS-”5”P-Q	8022574	ESBF-BS-40-100-5P	
543128	DNCE-40-200-BS-”5”P-Q	2215385	ESBF-BS-40-200-5P	
555466	DNCE-40-300-BS-”5”P-Q	8022575	ESBF-BS-40-300-5P	
543129	DNCE-40-400-BS-”5”P-Q	8022576	ESBF-BS-40-400-5P	
543130	DNCE-40-600-BS-”5”P-Q	8022585	ESBF-...-40- -	
543131	DNCE-40-100-BS-”12,7”P-Q	8022577	ESBF-BS-40-100-10P	
543132	DNCE-40-200-BS-”12,7”P-Q	8022578	ESBF-BS-40-200-10P	
555467	DNCE-40-300-BS-”12,7”P-Q	8022579	ESBF-BS-40-300-10P	
543133	DNCE-40-400-BS-”12,7”P-Q	8022580	ESBF-BS-40-400-10P	
543134	DNCE-40-600-BS-”12,7”P-Q	8022585	ESBF-...-40- -	
543131	DNCE-40-100-BS-”12,7”P-Q	8022581	ESBF-BS-40-100-16P	
543132	DNCE-40-200-BS-”12,7”P-Q	8022582	ESBF-BS-40-200-16P	
555467	DNCE-40-300-BS-”12,7”P-Q	8022583	ESBF-BS-40-300-16P	
543133	DNCE-40-400-BS-”12,7”P-Q	8022584	ESBF-BS-40-400-16P	
543134	DNCE-40-600-BS-”12,7”P-Q	8022585	ESBF-...-40- -	
543123	DNCE-40-100-LS-”2,5”P-Q	8022586	ESBF-LS-40-100-3P	
543124	DNCE-40-200-LS-”2,5”P-Q	2295382	ESBF-LS-40-200-3P	
555465	DNCE-40-300-LS-”2,5”P-Q	8022587	ESBF-LS-40-300-3P	
543125	DNCE-40-400-LS-”2,5”P-Q	8022588	ESBF-LS-40-400-3P	
543126	DNCE-40-600-LS-”2,5”P-Q	8022585	ESBF-...-40- -	
555470	DNCE-63-100-BS-”10”P-Q	8022593	ESBF-BS-50-100-10P	
543139	DNCE-63-200-BS-”10”P-Q	8022594	ESBF-BS-50-200-10P	
555471	DNCE-63-300-BS-”10”P-Q	8022595	ESBF-BS-50-300-10P	
543140	DNCE-63-400-BS-”10”P-Q	8022596	ESBF-BS-50-400-10P	
543141	DNCE-63-600-BS-”10”P-Q	8022601	ESBF-...-50- -	
543142	DNCE-63-800-BS-”10”P-Q	8022601	ESBF-...-50- -	
555472	DNCE-63-100-BS-”20”P-Q	8022597	ESBF-BS-50-100-20P	
543143	DNCE-63-200-BS-”20”P-Q	8022598	ESBF-BS-50-200-20P	
555473	DNCE-63-300-BS-”20”P-Q	8022599	ESBF-BS-50-300-20P	
543144	DNCE-63-400-BS-”20”P-Q	8022600	ESBF-BS-50-400-20P	
543145	DNCE-63-600-BS-”20”P-Q	8022601	ESBF-...-50- -	
543146	DNCE-63-800-BS-”20”P-Q	8022601	ESBF-...-50- -	

Electric cylinder
DNCE-...-BS-...P-Q

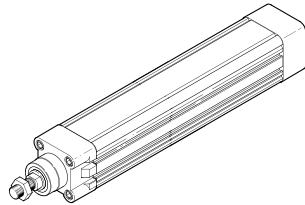
Electric cylinder
ESBF-BS-...-P
ESBF-LS-...-P

Part no.	Product type	Part no.	Alternative product type	Product comparison
555468	DNCE-63-100-LS-4P-Q	8022602	ESBF-LS-50-100-4P	
543135	DNCE-63-200-LS-4P-Q	2295383	ESBF-LS-50-200-4P	
555469	DNCE-63-300-LS-4P-Q	8022603	ESBF-LS-50-300-4P	
555469	DNCE-63-300-LS-4P-Q	8022601	ESBF-...-50- -	
543136	DNCE-63-400-LS-4P-Q	8022604	ESBF-LS-50-400-4P	
543137	DNCE-63-600-LS-4P-Q	8022601	ESBF-...-50- -	
543138	DNCE-63-800-LS-4P-Q	8022601	ESBF-...-50- -	

DNCE modular system and EPCO modular system or EPCO bestsellers

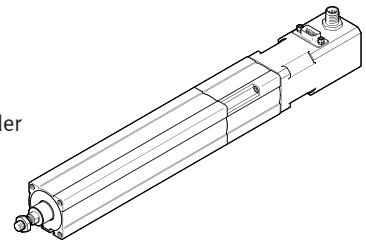
Electric cylinder
DNCE-...-BS-...P-Q

- Electromechanical linear axis with piston rod
- Ball screw spindle



Electric cylinder
EPCO-...-ST-E

- EPCO with axial kit and stepper motor incl. encoder



Difference:

- Not 1:1 interchangeable

EPCO bestsellers in stock!

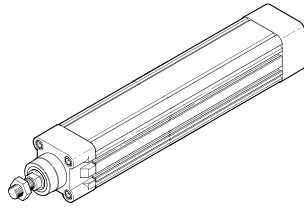
Part no.	Product type	Part no.	Alternative product type	Product comparison
555488	DNCE-32-50-BS-3P-Q	1470698	EPCO-25-50-3P-ST-E	
555488	DNCE-32-100-BS-3P-Q	1470700	EPCO-25-100-3P-ST-E	
555488	DNCE-32-150-BS-3P-Q	1470702	EPCO-25-150-3P-ST-E	
555488	DNCE-32-200-BS-3P-Q	1470704	EPCO-25-200-3P-ST-E	
555488	DNCE-32-300-BS-3P-Q	1470706	EPCO-25-300-3P-ST-E	
555488	DNCE-32-50-BS-10P-Q	1470769	EPCO-25-50-10P-ST-E	
555488	DNCE-32-100-BS-10P-Q	1470771	EPCO-25-100-10P-ST-E	
555488	DNCE-32-150-BS-10P-Q	1470773	EPCO-25-150-10P-ST-E	
555488	DNCE-32-200-BS-10P-Q	1470775	EPCO-25-200-10P-ST-E	
555488	DNCE-32-300-BS-10P-Q	1470777	EPCO-25-300-10P-ST-E	
555488	DNCE-32-...	1470874	EPCO-25-...	
555489	DNCE-40-50-BS-5P-Q	1472501	EPCO-40-50-5P-ST-E	
555489	DNCE-40-100-BS-5P-Q	1472503	EPCO-40-100-5P-ST-E	
555489	DNCE-40-150-BS-5P-Q	1472505	EPCO-40-150-5P-ST-E	
555489	DNCE-40-200-BS-5P-Q	1472507	EPCO-40-200-5P-ST-E	
555489	DNCE-40-300-BS-5P-Q	1472509	EPCO-40-300-5P-ST-E	
555489	DNCE-40-50-BS-12,7P-Q	1472617	EPCO-40-50-12.7P-ST-E	
555489	DNCE-40-100-BS-12,7P-Q	1472619	EPCO-40-100-12.7P-ST-E	
555489	DNCE-40-150-BS-12,7P-Q	1472621	EPCO-40-150-12.7P-ST-E	
555489	DNCE-40-200-BS-12,7P-Q	1472623	EPCO-40-200-12.7P-ST-E	
555489	DNCE-40-300-BS-12,7P-Q	1472625	EPCO-40-300-12.7P-ST-E	
555489	DNCE-40-...	1472887	EPCO-40-...	

DNCE bestsellers and EPCO bestsellers or EPCO modular system

Electric cylinder

DNCE-...-BS-...-P-Q

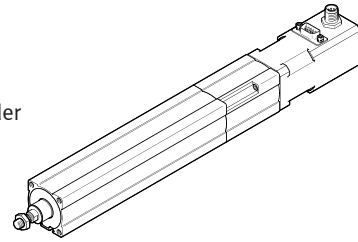
- Electromechanical linear axis with piston rod
- Ball screw spindle



Electric cylinder

EPCO-...-ST-E

- EPCO with axial kit and stepper motor incl. encoder



Difference:

- Not 1:1 interchangeable

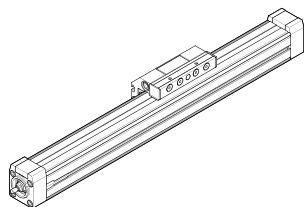
EPCO bestsellers in stock!

Part no.	Product type	Part no.	Alternative product type	Product comparison
543115	DNCE-32-100-BS-3P-Q	1470700	EPCO-25-100-3P-ST-E	
543116	DNCE-32-200-BS-3P-Q	1470704	EPCO-25-200-3P-ST-E	
543117	DNCE-32-300-BS-3P-Q	1470706	EPCO-25-300-3P-ST-E	
543119	DNCE-32-100-BS-10P-Q	1470771	EPCO-25-100-10P-ST-E	
543120	DNCE-32-200-BS-10P-Q	1470775	EPCO-25-200-10P-ST-E	
543121	DNCE-32-300-BS-10P-Q	1470777	EPCO-25-300-10P-ST-E	
543127	DNCE-40-100-BS-5P-Q	1472503	EPCO-40-100-5P-ST-E	
543128	DNCE-40-200-BS-5P-Q	1472507	EPCO-40-200-5P-ST-E	
555466	DNCE-40-300-BS-5P-Q	1472509	EPCO-40-300-5P-ST-E	
543129	DNCE-40-400-BS-5P-Q	1472887	EPCO-40-...	
543131	DNCE-40-100-BS-12,7P-Q	1472619	EPCO-40-100-12.7P-ST-E	
543132	DNCE-40-200-BS-12,7P-Q	1472623	EPCO-40-200-12.7P-ST-E	
555467	DNCE-40-300-BS-12,7P-Q	1472625	EPCO-40-300-12.7P-ST-E	
543133	DNCE-40-400-BS-12,7P-Q	1472887	EPCO-40-...	

DGE modular system and EGC modular system

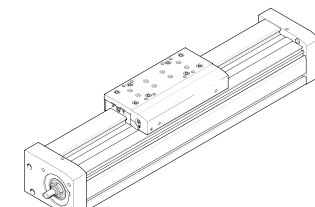
Spindle axis

DGE-...



Spindle axis

EGC-...

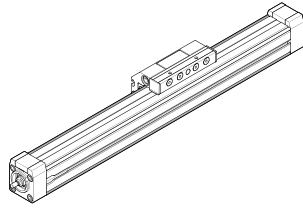
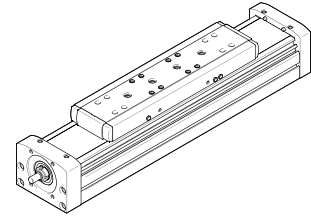


Difference:

- Not 1:1 interchangeable
- More rigid profile
- Higher feed forces

Part no.	Product type	Part no.	Alternative product type	Product comparison
193745	DGE-18-...	556807	EGC-70-...	
193746	DGE-25-...	556808	EGC-80-...	
193747	DGE-40-...	556809	EGC-120-...	
193748	DGE-63-...	556811	EGC-185-...	

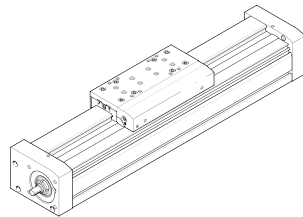
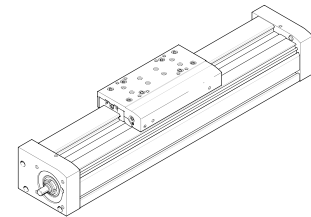
Spindle axis DGE modular system and ELGA modular system:

Spindle axis
DGE-...Spindle axis
ELGA-BS-KF-...**Difference:**

- Not 1:1 interchangeable
- More rigid profile
- Higher feed forces

Part no.	Product type	Part no.	Alternative product type	Product comparison
193745	DGE-18-...	8024918	ELGA-BS-KF-70-...	
193746	DGE-25-...	8024919	ELGA-BS-KF-80-...	
193747	DGE-40-...	8024920	ELGA-BS-KF-120-...	
193748	DGE-63-...	8024921	ELGA-BS-KF-150-...	

EGC modular system and EGC in stock

Spindle axis
EGC-...-BS-...Spindle axis
EGC-...-BS-...**Features:**

- Stroke reserve: 0 mm
- Motor attachment position: left-hand side
- Slide: standard
- **In stock!**

Part no.	Product type	Part no.	Alternative product type	Product comparison
556807	EGC-70-100-BS-10P-KF-0H-ML-GK	3013388	EGC-70-100-BS-10P-KF-0H-ML-GK	
556807	EGC-70-200-BS-10P-KF-0H-ML-GK	3013389	EGC-70-200-BS-10P-KF-0H-ML-GK	
556807	EGC-70-300-BS-10P-KF-0H-ML-GK	3013390	EGC-70-300-BS-10P-KF-0H-ML-GK	
556807	EGC-70-400-BS-10P-KF-0H-ML-GK	3013391	EGC-70-400-BS-10P-KF-0H-ML-GK	
556807	EGC-70-500-BS-10P-KF-0H-ML-GK	3013392	EGC-70-500-BS-10P-KF-0H-ML-GK	
556807	EGC-70-600-BS-10P-KF-0H-ML-GK	3013393	EGC-70-600-BS-10P-KF-0H-ML-GK	
556808	EGC-80-100-BS-10P-KF-0H-ML-GK	3013532	EGC-80-100-BS-10P-KF-0H-ML-GK	
556808	EGC-80-200-BS-10P-KF-0H-ML-GK	3013533	EGC-80-200-BS-10P-KF-0H-ML-GK	
556808	EGC-80-300-BS-10P-KF-0H-ML-GK	3013534	EGC-80-300-BS-10P-KF-0H-ML-GK	
556808	EGC-80-400-BS-10P-KF-0H-ML-GK	3013535	EGC-80-400-BS-10P-KF-0H-ML-GK	
556808	EGC-80-500-BS-10P-KF-0H-ML-GK	3013536	EGC-80-500-BS-10P-KF-0H-ML-GK	
556808	EGC-80-600-BS-10P-KF-0H-ML-GK	3013537	EGC-80-600-BS-10P-KF-0H-ML-GK	
556808	EGC-80-800-BS-10P-KF-0H-ML-GK	3013538	EGC-80-800-BS-10P-KF-0H-ML-GK	

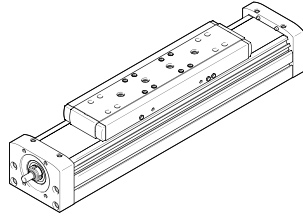
Spindle axis
EGC-...-BS-...

Spindle axis
EGC-...-BS-...

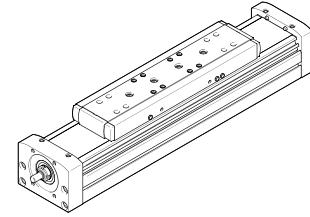
Part no.	Product type	Part no.	Alternative product type	Product comparison
556808	EGC-80-100-BS-20P-KF-0H-ML-GK	3013539	EGC-80-100-BS-20P-KF-0H-ML-GK	
556808	EGC-80-200-BS-20P-KF-0H-ML-GK	3013540	EGC-80-200-BS-20P-KF-0H-ML-GK	
556808	EGC-80-300-BS-20P-KF-0H-ML-GK	3013541	EGC-80-300-BS-20P-KF-0H-ML-GK	
556808	EGC-80-400-BS-20P-KF-0H-ML-GK	3013542	EGC-80-400-BS-20P-KF-0H-ML-GK	
556808	EGC-80-500-BS-20P-KF-0H-ML-GK	3013543	EGC-80-500-BS-20P-KF-0H-ML-GK	
556808	EGC-80-600-BS-20P-KF-0H-ML-GK	3013544	EGC-80-600-BS-20P-KF-0H-ML-GK	
556808	EGC-80-800-BS-20P-KF-0H-ML-GK	3013545	EGC-80-800-BS-20P-KF-0H-ML-GK	
556809	EGC-120-100-BS-10P-KF-0H-ML-GK	3013571	EGC-120-100-BS-10P-KF-0H-ML-GK	
556809	EGC-120-200-BS-10P-KF-0H-ML-GK	3013572	EGC-120-200-BS-10P-KF-0H-ML-GK	
556809	EGC-120-300-BS-10P-KF-0H-ML-GK	3013573	EGC-120-300-BS-10P-KF-0H-ML-GK	
556809	EGC-120-400-BS-10P-KF-0H-ML-GK	3013574	EGC-120-400-BS-10P-KF-0H-ML-GK	
556809	EGC-120-500-BS-10P-KF-0H-ML-GK	3013575	EGC-120-500-BS-10P-KF-0H-ML-GK	
556809	EGC-120-600-BS-10P-KF-0H-ML-GK	3013576	EGC-120-600-BS-10P-KF-0H-ML-GK	
556809	EGC-120-800-BS-10P-KF-0H-ML-GK	3013577	EGC-120-800-BS-10P-KF-0H-ML-GK	
556809	EGC-120-100-BS-25P-KF-0H-ML-GK	3013578	EGC-120-100-BS-25P-KF-0H-ML-GK	
556809	EGC-120-200-BS-25P-KF-0H-ML-GK	3013579	EGC-120-200-BS-25P-KF-0H-ML-GK	
556809	EGC-120-300-BS-25P-KF-0H-ML-GK	3013580	EGC-120-300-BS-25P-KF-0H-ML-GK	
556809	EGC-120-400-BS-25P-KF-0H-ML-GK	3013581	EGC-120-400-BS-25P-KF-0H-ML-GK	
556809	EGC-120-500-BS-25P-KF-0H-ML-GK	3013582	EGC-120-500-BS-25P-KF-0H-ML-GK	
556809	EGC-120-600-BS-25P-KF-0H-ML-GK	3013583	EGC-120-600-BS-25P-KF-0H-ML-GK	
556809	EGC-120-800-BS-25P-KF-0H-ML-GK	3013584	EGC-120-800-BS-25P-KF-0H-ML-GK	

ELGA modular system and ELGA bestsellers

Spindle axis
ELGA-BS-KF-...



Spindle axis
ELGA-BS-KF-...

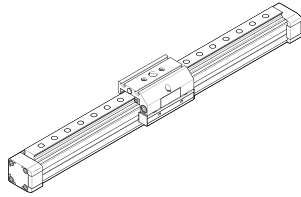
**Difference:**

- Stroke reserve: 0 mm
- Motor attachment position: left-hand side
- Slide: standard

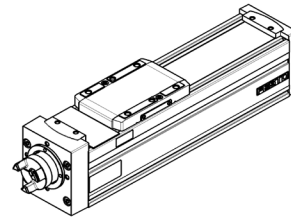
Part no.	Product type	Part no.	Alternative product type	Product comparison
8024918	ELGA-BS-KF-70-100-0H-10P-ML	8041816	ELGA-BS-KF-70-100-0H-10P-ML	
8024918	ELGA-BS-KF-70-200-0H-10P-ML	8041817	ELGA-BS-KF-70-200-0H-10P-ML	
8024918	ELGA-BS-KF-70-300-0H-10P-ML	8041818	ELGA-BS-KF-70-300-0H-10P-ML	
8024918	ELGA-BS-KF-70-400-0H-10P-ML	8041819	ELGA-BS-KF-70-400-0H-10P-ML	
8024918	ELGA-BS-KF-70-500-0H-10P-ML	8041820	ELGA-BS-KF-70-500-0H-10P-ML	
8024918	ELGA-BS-KF-70-600-0H-10P-ML	8041821	ELGA-BS-KF-70-600-0H-10P-ML	
8024919	ELGA-BS-KF-80-100-0H-10P-ML	8041822	ELGA-BS-KF-80-100-0H-10P-ML	
8024919	ELGA-BS-KF-80-200-0H-10P-ML	8041823	ELGA-BS-KF-80-200-0H-10P-ML	
8024919	ELGA-BS-KF-80-300-0H-10P-ML	8041824	ELGA-BS-KF-80-300-0H-10P-ML	
8024919	ELGA-BS-KF-80-400-0H-10P-ML	8041825	ELGA-BS-KF-80-400-0H-10P-ML	
8024919	ELGA-BS-KF-80-500-0H-10P-ML	8041826	ELGA-BS-KF-80-500-0H-10P-ML	
8024919	ELGA-BS-KF-80-600-0H-10P-ML	8041827	ELGA-BS-KF-80-600-0H-10P-ML	
8024919	ELGA-BS-KF-80-800-0H-10P-ML	8041828	ELGA-BS-KF-80-800-0H-10P-ML	
8024919	ELGA-BS-KF-80-100-0H-20P-ML	8041829	ELGA-BS-KF-80-100-0H-20P-ML	
8024919	ELGA-BS-KF-80-200-0H-20P-ML	8041830	ELGA-BS-KF-80-200-0H-20P-ML	
8024919	ELGA-BS-KF-80-300-0H-20P-ML	8041831	ELGA-BS-KF-80-300-0H-20P-ML	
8024919	ELGA-BS-KF-80-400-0H-20P-ML	8041832	ELGA-BS-KF-80-400-0H-20P-ML	
8024919	ELGA-BS-KF-80-500-0H-20P-ML	8041833	ELGA-BS-KF-80-500-0H-20P-ML	
8024919	ELGA-BS-KF-80-600-0H-20P-ML	8041834	ELGA-BS-KF-80-600-0H-20P-ML	
8024919	ELGA-BS-KF-80-800-0H-20P-ML	8041835	ELGA-BS-KF-80-800-0H-20P-ML	
8024920	ELGA-BS-KF-120-100-0H-10P-ML	8041836	ELGA-BS-KF-120-100-0H-10P-ML	
8024920	ELGA-BS-KF-120-200-0H-10P-ML	8041837	ELGA-BS-KF-120-200-0H-10P-ML	
8024920	ELGA-BS-KF-120-300-0H-10P-ML	8041838	ELGA-BS-KF-120-300-0H-10P-ML	
8024920	ELGA-BS-KF-120-400-0H-10P-ML	8041839	ELGA-BS-KF-120-400-0H-10P-ML	
8024920	ELGA-BS-KF-120-500-0H-10P-ML	8041840	ELGA-BS-KF-120-500-0H-10P-ML	
8024920	ELGA-BS-KF-120-600-0H-10P-ML	8041841	ELGA-BS-KF-120-600-0H-10P-ML	
8024920	ELGA-BS-KF-120-800-0H-10P-ML	8041842	ELGA-BS-KF-120-800-0H-10P-ML	
8024920	ELGA-BS-KF-120-100-0H-25P-ML	8041843	ELGA-BS-KF-120-100-0H-25P-ML	
8024920	ELGA-BS-KF-120-200-0H-25P-ML	8041844	ELGA-BS-KF-120-200-0H-25P-ML	
8024920	ELGA-BS-KF-120-300-0H-25P-ML	8041845	ELGA-BS-KF-120-300-0H-25P-ML	
8024920	ELGA-BS-KF-120-400-0H-25P-ML	8041846	ELGA-BS-KF-120-400-0H-25P-ML	
8024920	ELGA-BS-KF-120-500-0H-25P-ML	8041847	ELGA-BS-KF-120-500-0H-25P-ML	
8024920	ELGA-BS-KF-120-600-0H-25P-ML	8041848	ELGA-BS-KF-120-600-0H-25P-ML	
8024920	ELGA-BS-KF-120-800-0H-25P-ML	8041849	ELGA-BS-KF-120-800-0H-25P-ML	

DGE modular system and ELGC-BS bestsellers

Spindle axis
DGE-...-SP-KF-...



Spindle axis
ELGC-BS-KF-...

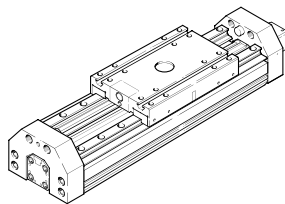


Note:
ELGC-BS available
end 2017

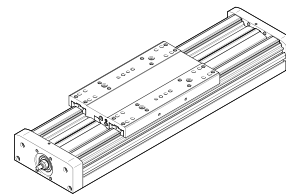
Part no.	Product type	Part no.	Alternative product type	Product comparison
193745	DGE-18-100-SP-KF-...	8061491	ELGC-BS-KF-60-100-12P	
193745	DGE-18-200-SP-KF-...	8061492	ELGC-BS-KF-60-200-12P	
193745	DGE-18-200-SP-KF-...	8061493	ELGC-BS-KF-60-300-12P	
193745	DGE-18-400-SP-KF-...	8061494	ELGC-BS-KF-60-400-12P	
193745	DGE-18-500-SP-KF-...	8061495	ELGC-BS-KF-60-500-12P	
193746	DGE-25-100-SP-KF-...	8061498	ELGC-BS-KF-80-100-16P	
193746	DGE-25-200-SP-KF-...	8061499	ELGC-BS-KF-80-200-16P	
193746	DGE-25-200-SP-KF-...	8061500	ELGC-BS-KF-80-300-16P	
193746	DGE-25-400-SP-KF-...	8061501	ELGC-BS-KF-80-400-16P	
193746	DGE-25-500-SP-KF-...	8061502	ELGC-BS-KF-80-500-16P	
193746	DGE-25-600-SP-KF-...	8061503	ELGC-BS-KF-80-600-16P	
193746	DGE-25-800-SP-KF-...	8061504	ELGC-BS-KF-80-800-16P	
193746	DGE-25-1000-SP-KF-...	8061505	ELGC-BS-KF-80-1000-16P	

DGE-HD modular system to EGC-HD modular system

Spindle axis
DGE-...-SP-HD-...



Spindle axis
EGC-HD-...-BS-...



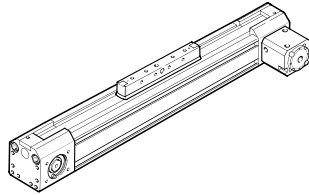
Difference:

- Not 1:1 interchangeable
- More rigid profile
- Higher feed forces

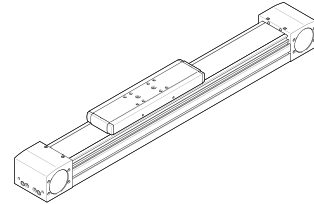
Part no.	Product type	Part no.	Alternative product type	Product comparison
193745	DGE-18-...-SP-...-HD18-...	556819	EGC-HD-125-...-BS-10P-0H-GK	
193746	DGE-25-...-SP-...-HD...	556820	EGC-HD-160-...-BS-20P-0H-GK	
193747	DGE-40-...-SP-...-HD40-...	556821	EGC-HD-220-...-BS-25P-0H-GK	

DGE modular system and ELGR modular system

Toothed belt axis
DGE-...-ZR-...



Toothed belt axis
ELGA-TB-G-...

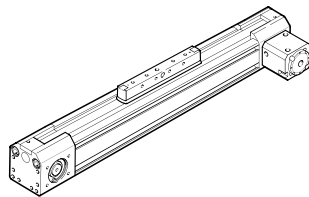
**Difference:**

- Not 1:1 interchangeable
- Product improvements may enable downsizing and result in cost savings

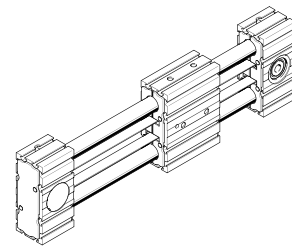
Part no.	Product type	Part no.	Alternative product type	Product comparison
193742	DGE-25-...	570502	ELGA-TB-G-70-...	
193743	DGE-40-...	570503	ELGA-TB-G-80-...	
193744	DGE-63-...	570504	ELGA-TB-G-120-...	

DGE modular system and ELGR modular system

Toothed belt axis
DGE-...-ZR-...



Toothed belt axis
ELGR-TB-GF-...

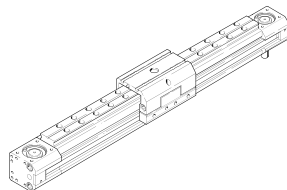
**Difference:**

- Not 1:1 interchangeable

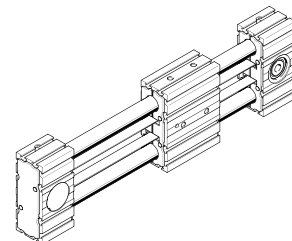
Part no.	Product type	Part no.	Alternative product type	Product comparison
193740	DGE-12-...	560505	ELGR-TB-GF-35-...	
193741	DGE-18-...	560506	ELGR-TB-GF-45-...	
193742	DGE-25-...	560507	ELGR-TB-GF-55-...	

DGE modular system and ELGR modular system

Toothed belt axis
DGE-...-ZR-...-KF-...
– With ball bearing guide



Toothed belt axis
ELGR-TB-...
– With ball bearing guide

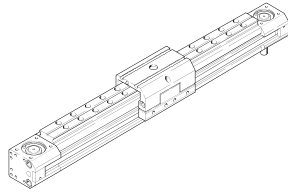
**Difference:**

- Not 1:1 interchangeable

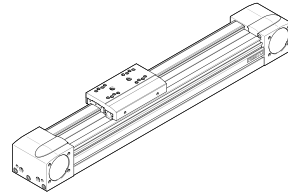
Part no.	Product type	Part no.	Alternative product type	Product comparison
193740	DGE-12-...-ZR-...-KF-GK	560505	ELGR-TB-35-...	
193741	DGE-18-...-ZR-...-KF-GK	560506	ELGR-TB-45-...	
193742	DGE-25-...-ZR-...-KF-GK	560507	ELGR-TB-55-...	

DGE modular system and EGC modular system

Toothed belt axis
DGE-...-ZR-...-KF-...



Toothed belt axis
EGC-...-TB-...-KF-...



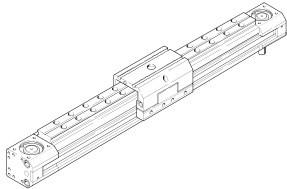
Difference:

- Not 1:1 interchangeable
- More rigid profile
- Higher feed forces
- Longer stroke lengths
- More flexible motor mounting, possible on 4 sides

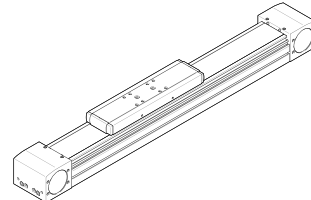
Part no.	Product type	Part no.	Alternative product type	Product comparison
193740	DGE-12-...-ZR-...-KF-...	556812	EGC-50-...-TB-KF-...	
193741	DGE-18-...-ZR-...-KF-...	556813	EGC-70-...-TB-KF-...	
193742	DGE-25-...-ZR-...-KF-...	556814	EGC-80-...-TB-KF-...	
193743	DGE-40-...-ZR-...-KF-...	556815	EGC-120-...-TB-KF-...	
193744	DGE-63-...-ZR-...-KF-...	556817	EGC-185-...-TB-KF-...	

DGE modular system and ELGR modular system

Toothed belt axis
DGE-...-ZR-...-KF-...



Toothed belt axis
ELGA-TB-KF-...



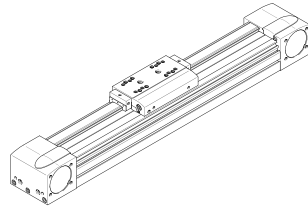
Difference:

- Not 1:1 interchangeable
- Product improvements may enable downsizing and result in cost savings

Part no.	Product type	Part no.	Alternative product type	Product comparison
193741	DGE-18-...-ZR-...-KF-...	8024914	ELGA-TB-KF-70-...	
193742	DGE-25-...-ZR-...-KF-...	8024915	ELGA-TB-KF-80-...	
193743	DGE-40-...-ZR-...-KF-...	8024916	ELGA-TB-KF-120-...	
193744	DGE-63-...-ZR-...-KF-...	8024917	ELGA-TB-KF-150-...	

EGC modular system and ELGR modular system

Toothed belt axis
EGC-...-TB-KF-...

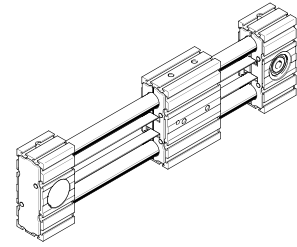


Toothed belt axis
ELGR-TB-...

– With ball bearing guide

Difference:

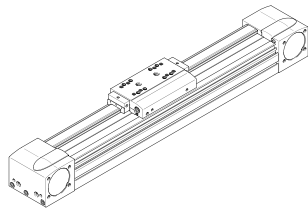
– Not 1:1 interchangeable



Part no.	Product type	Part no.	Alternative product type	Product comparison
556812	EGC-50-...-TB-KF-0H-GK	560505	ELGR-TB-35-...-0H	
556813	EGC-70-...-TB-KF-0H-GK	560506	ELGR-TB-45-...-0H	
556814	EGC-80-...-TB-KF-0H-GK	560507	ELGR-TB-55-...-0H	

EGC modular system and EGC in stock

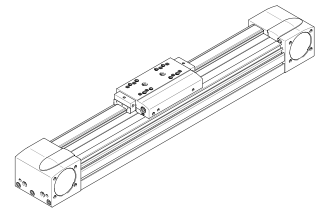
Toothed belt axis
EGC-...-TB-KF-...



Toothed belt axis
EGC-...-TB-KF-...

Features

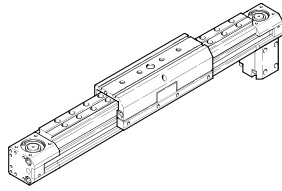
- Stroke reserve: 0 mm
- Slide: standard



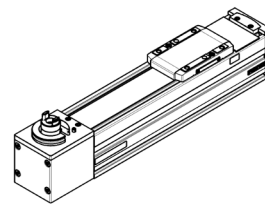
In stock!

Part no.	Product type	Part no.	Alternative product type	Product comparison
556813	EGC-70-300-TB-KF-0H-GK	3012492	EGC-70-300-TB-KF-0H-GK	
556813	EGC-70-400-TB-KF-0H-GK	3012493	EGC-70-400-TB-KF-0H-GK	
556813	EGC-70-500-TB-KF-0H-GK	3012494	EGC-70-500-TB-KF-0H-GK	
556813	EGC-70-600-TB-KF-0H-GK	3012495	EGC-70-600-TB-KF-0H-GK	
556813	EGC-70-800-TB-KF-0H-GK	3012496	EGC-70-800-TB-KF-0H-GK	
556813	EGC-70-1000-TB-KF-0H-GK	3012497	EGC-70-1000-TB-KF-0H-GK	
556813	EGC-70-1200-TB-KF-0H-GK	3012498	EGC-70-1200-TB-KF-0H-GK	
556814	EGC-80-400-TB-KF-0H-GK	575832	EGC-80-400-TB-KF-0H-GK	
556814	EGC-80-500-TB-KF-0H-GK	3013354	EGC-80-500-TB-KF-0H-GK	
556814	EGC-80-600-TB-KF-0H-GK	3013355	EGC-80-600-TB-KF-0H-GK	
556814	EGC-80-800-TB-KF-0H-GK	3013356	EGC-80-800-TB-KF-0H-GK	
556814	EGC-80-1000-TB-KF-0H-GK	3013357	EGC-80-1000-TB-KF-0H-GK	
556814	EGC-80-1200-TB-KF-0H-GK	3013359	EGC-80-1200-TB-KF-0H-GK	
556815	EGC-120-400-TB-KF-0H-GK	3013364	EGC-120-400-TB-KF-0H-GK	
556815	EGC-120-500-TB-KF-0H-GK	3013365	EGC-120-500-TB-KF-0H-GK	
556815	EGC-120-600-TB-KF-0H-GK	3013366	EGC-120-600-TB-KF-0H-GK	
556815	EGC-120-800-TB-KF-0H-GK	3013367	EGC-120-800-TB-KF-0H-GK	
556815	EGC-120-1000-TB-KF-0H-GK	3013368	EGC-120-1000-TB-KF-0H-GK	
556815	EGC-120-1200-TB-KF-0H-GK	3013369	EGC-120-1200-TB-KF-0H-GK	
556815	EGC-120-1500-TB-KF-0H-GK	3013370	EGC-120-1500-TB-KF-0H-GK	

DGE modular system and ELGC bestsellers

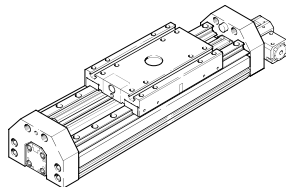
Toothed belt axis
DGE-...ZR-...-KF-...Toothed belt axis
ELGC-TB-KF-...

Note:
ELGC-BS available
end 2017



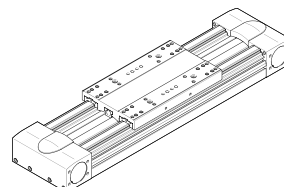
Part no.	Product type	Part no.	Alternative product type	Product comparison
193740	DGE-12-200-ZR-...-KF-...	8062768	ELGC-TB-KF-45-200	
193740	DGE-12-300-ZR-...-KF-...	8062769	ELGC-TB-KF-45-300	
193740	DGE-12-500-ZR-...-KF-...	8062770	ELGC-TB-KF-45-500	
193740	DGE-12-600-ZR-...-KF-...	8062771	ELGC-TB-KF-45-600	
193740	DGE-12-800-ZR-...-KF-...	8062772	ELGC-TB-KF-45-800	
193740	DGE-12-1000-ZR-...-KF-...	8062773	ELGC-TB-KF-45-1000	
193741	DGE-18-200-ZR-...-KF-...	8062776	ELGC-TB-KF-60-200	
193741	DGE-18-300-ZR-...-KF-...	8062777	ELGC-TB-KF-60-300	
193741	DGE-18-500-ZR-...-KF-...	8062778	ELGC-TB-KF-60-500	
193741	DGE-18-600-ZR-...-KF-...	8062779	ELGC-TB-KF-60-600	
193741	DGE-18-800-ZR-...-KF-...	8062780	ELGC-TB-KF-60-800	
193741	DGE-18-1000-ZR-...-KF-...	8062781	ELGC-TB-KF-60-1000	
193742	DGE-25-200-ZR-...-KF-...	8062786	ELGC-TB-KF-80-200	
193742	DGE-25-300-ZR-...-KF-...	8062787	ELGC-TB-KF-80-300	
193742	DGE-25-500-ZR-...-KF-...	8062788	ELGC-TB-KF-80-500	
193742	DGE-25-600-ZR-...-KF-...	8062789	ELGC-TB-KF-80-600	
193742	DGE-25-800-ZR-...-KF-...	8062790	ELGC-TB-KF-80-800	
193742	DGE-25-1000-ZR-...-KF-...	8062791	ELGC-TB-KF-80-1000	
193742	DGE-25-1200-ZR-...-KF-...	8062792	ELGC-TB-KF-80-1200	
193742	DGE-25-1500-ZR-...-KF-...	8062793	ELGC-TB-KF-80-1500	
193742	DGE-25-1800-ZR-...-KF-...	8062794	ELGC-TB-KF-80-1800	
193742	DGE-25-2000-ZR-...-KF-...	8062795	ELGC-TB-KF-80-2000	

DGE-HD modular system to EGC-HD modular system:

Toothed belt axis
DGE-...-ZR-...Toothed belt axis
EGC-HD-...

Difference:

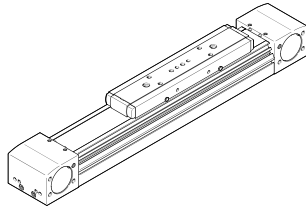
- Not 1:1 interchangeable
- More rigid profile
- Higher feed forces
- Longer stroke lengths
- More flexible motor mounting, possible on 4 sides



Part no.	Product type	Part no.	Alternative product type	Product comparison
193741	DGE-18-...-ZR-...-KG-HD18	556823	EGC-HD-125-...-TB-0H-GK	
193742	DGE-25-...-ZR-...-KG-HD...	556824	EGC-HD-160-...-TB-0H-GK	
193743	DGE-40-...-ZR-...-KG-HD40	556825	EGC-HD-220-...-TB-0H-GK	

ELGA modular system and ELGA bestsellers

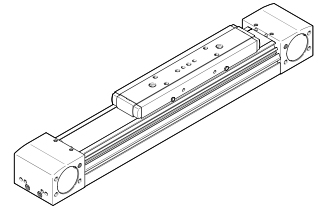
Toothed belt axis
ELGA-...-TB-KF-...



Toothed belt axis
ELGA-...-TB-KF-...

Features:

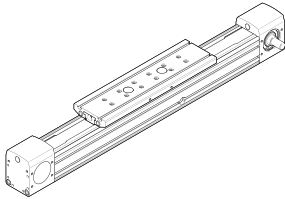
- Stroke reserve: 0 mm
- Slide: standard



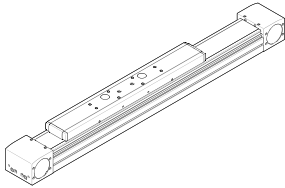
Part no.	Product type	Part no.	Alternative product type	Product comparison
8024914	ELGA-TB-KF-70-300-0H	8041851	ELGA-TB-KF-70-300-0H	
8024914	ELGA-TB-KF-70-400-0H	8041852	ELGA-TB-KF-70-400-0H	
8024914	ELGA-TB-KF-70-500-0H	8041853	ELGA-TB-KF-70-500-0H	
8024914	ELGA-TB-KF-70-600-0H	8041854	ELGA-TB-KF-70-600-0H	
8024914	ELGA-TB-KF-70-800-0H	8041855	ELGA-TB-KF-70-800-0H	
8024914	ELGA-TB-KF-70-1000-0H	8041856	ELGA-TB-KF-70-1000-0H	
8024914	ELGA-TB-KF-70-1200-0H	8041857	ELGA-TB-KF-70-1200-0H	
8024915	ELGA-TB-KF-80-400-0H	8041858	ELGA-TB-KF-80-400-0H	
8024915	ELGA-TB-KF-80-500-0H	8041859	ELGA-TB-KF-80-500-0H	
8024915	ELGA-TB-KF-80-600-0H	8041860	ELGA-TB-KF-80-600-0H	
8024915	ELGA-TB-KF-80-800-0H	8041861	ELGA-TB-KF-80-800-0H	
8024915	ELGA-TB-KF-80-1000-0H	8041862	ELGA-TB-KF-80-1000-0H	
8024915	ELGA-TB-KF-80-1200-0H	8041863	ELGA-TB-KF-80-1200-0H	
8024916	ELGA-TB-KF-120-400-0H	8041864	ELGA-TB-KF-120-400-0H	
8024916	ELGA-TB-KF-120-500-0H	8041865	ELGA-TB-KF-120-500-0H	
8024916	ELGA-TB-KF-120-600-0H	8041866	ELGA-TB-KF-120-600-0H	
8024916	ELGA-TB-KF-120-800-0H	8041867	ELGA-TB-KF-120-800-0H	
8024916	ELGA-TB-KF-120-1000-0H	8041868	ELGA-TB-KF-120-1000-0H	
8024916	ELGA-TB-KF-120-1200-0H	8041869	ELGA-TB-KF-120-1200-0H	
8024916	ELGA-TB-KF-120-1500-0H	8041870	ELGA-TB-KF-120-1500-0H	

DGE-RF modular system and ELGA-RF modular system

Toothed belt axis
DGE-...-ZR-...



Toothed belt axis
ELGA-TB-...



Difference:

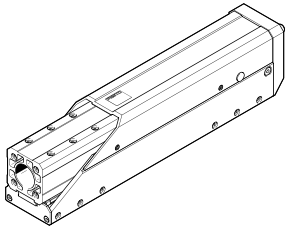
- Not 1:1 interchangeable
- Product improvements may permit downsizing.

This results in cost savings.

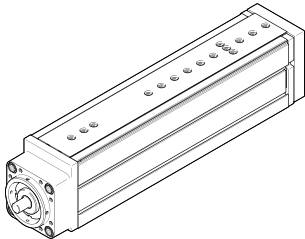
Part no.	Product type	Part no.	Alternative product type	Product comparison
534391	DGE-25-...-ZR-RF-...-GK	1371245	ELGA-TB-RF-70-...-0H	
534392	DGE-40-...-ZR-RF-...-GK	1371246	ELGA-TB-RF-80-...-0H	
534393	DGE-63-...-ZR-RF-...-GK	1371247	ELGA-TB-RF-120-...-0H	

EGSA modular system and EGSL modular system

Cantilever axis
EGSA-...



Mini slides
EGSL-...



Difference:

- Not 1:1 interchangeable

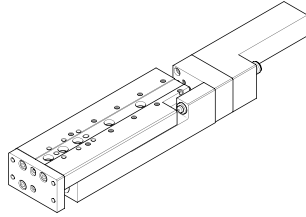
Part no.	Product type	Part no.	Alternative product type	Product comparison
558199	EGSA-50-100	559335	EGSL-BS-45-100-10P	
558200	EGSA-60-100	559337	EGSL-BS-55-100-12.7P	
558201	EGSA-60-200	559338	EGSL-BS-55-200-12.7P	
558202	EGSA-60-300	559342	EGSL-BS-75-300-20P	



Note:

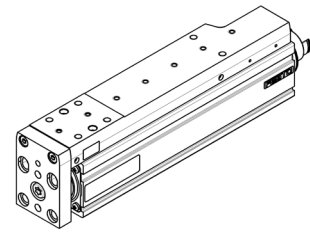
The symbol for "phased-out product type" indicates in both this brochure and our catalogues that this is an old series and that a new, improved product is now available.

Mini slide
SLTE-...-LS-G04



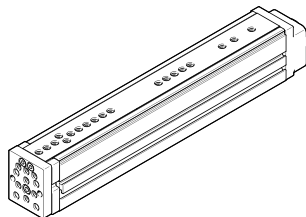
Mini slide
EGSC-BS-KF-...

Note:
EGSC available
end 2017



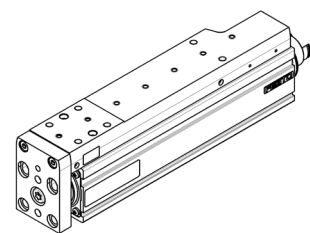
Part no.	Product type	Part no.	Alternative product type	Product comparison
537447	SLTE-10-50-LS-G04	8048307	EGSC-BS-KF-32-50-8P	
537449	SLTE-10-80-LS-G04	8048308	EGSC-BS-KF-32-75-8P	
537459	SLTE-16-50-LS-G04	8048301	EGSC-BS-KF-45-50-10P	
537461	SLTE-16-80-LS-G04	8048302	EGSC-BS-KF-45-75-10P	
537463	SLTE-16-100-LS-G04	4022926	EGSC-BS-KF-45-100-10P	
537465	SLTE-16-150-LS-G04	8048304	EGSC-BS-KF-45-150-10P	

Mini slide
SLTE-...-LS-G04



Mini slide
EGSC-BS-KF-...

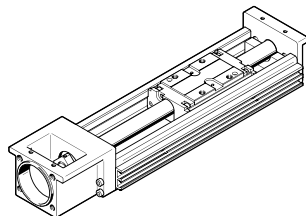
Note:
EGSC available
end 2017



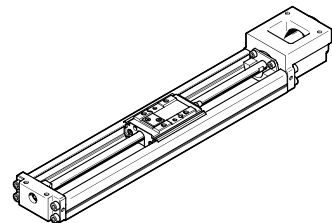
Part no.	Product type	Part no.	Alternative product type	Product comparison
562160	EGSL-BS-35-50-8P	8048301	EGSC-BS-KF-45-50-10P	
559335	EGSL-BS-45-100-10P	4022926	EGSC-BS-KF-45-100-10P	
559337	EGSL-BS-55-100-12.7P	4356469	EGSC-BS-KF-60-100-12P	
559338	EGSL-BS-55-200-12.7P	8048366	EGSC-BS-KF-60-200-12P	

EGSP modular system and EGSK modular system

Electric slide
EGSP-...

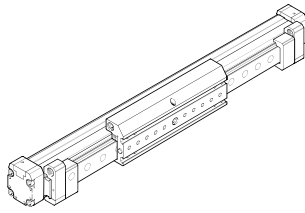


Electric slide
EGSK-...

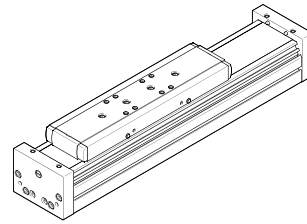


Part no.	Product type	Part no.	Alternative product type	Product comparison
562754	EGSP-20-...	562750	EGSK-20-...	
562755	EGSP-26-...	562751	EGSK-26-...	
562756	EGSP-33-...	562752	EGSK-33-...	
562757	EGSP-46-...	562753	EGSK-46-...	

**Guide axis
FDG-18-...**



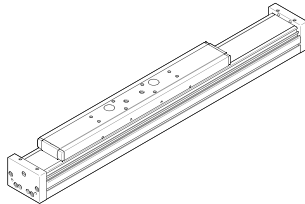
**Guide axis
EGC-...-FA**



Part no.	Product type	Part no.	Alternative product type	Product comparison
192850	FDG-18-...-	558864	EGC-70-...-FA	
192851	FDG-25-...-	558865	EGC-80-...-FA	
192853	FDG-40-...-	558866	EGC-120-...-FA	
192855	FDG-63- ...-	558868	EGC-185-...-FA	

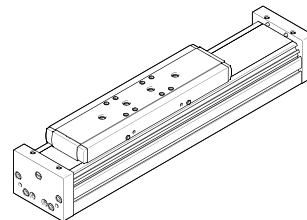
**Guide axis
FDG-18-...**

– Recirculating ball bearing guide



**Guide axis
ELFA-KF-...**

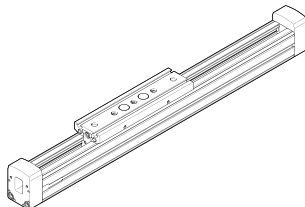
– Recirculating ball bearing guide



Part no.	Product type	Part no.	Alternative product type	Product comparison
192850	FDG-18-...-	8037970	ELFA-KF-70-...	
192851	FDG-25-...-	8037971	ELFA-KF-80-...	
192853	FDG-40-...-	8037972	ELFA-KF-120-...	

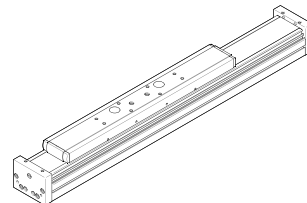
**Guide axis
FDG-...-ZR-RF**

– Roller bearing



**Guide axis
ELFA-RF-...**

– Roller bearing



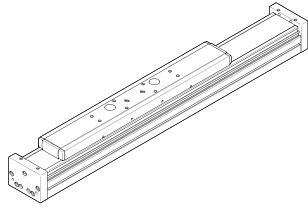
Part no.	Product type	Part no.	Alternative product type	Product comparison
538791	FDG-25-...-ZR-RF	8037967	ELFA-RF-70-...-	
538792	FDG-40-...-ZR-RF	8037968	ELFA-RF-80-...-	

FDH modular system and ELFC bestsellers

Guide axis

FDG-...

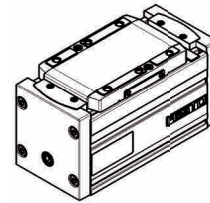
- Recirculating ball bearing guide



Guide axis

ELFC-KF-...

- Recirculating ball bearing guide



Note:

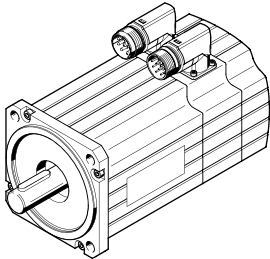
ELFC available
end 2017

Part no.	Product type	Part no.	Alternative product type	Product comparison
192850	FDG-18-100-...	8062812	ELFC-KF-60-100	
192850	FDG-18-200-...	8062813	ELFC-KF-60-200	
192850	FDG-18-300-...	8062814	ELFC-KF-60-300	
192850	FDG-18-400-...	8062815	ELFC-KF-60-400	
192850	FDG-18-500-...	8062816	ELFC-KF-60-500	
192850	FDG-18-600-...	8062817	ELFC-KF-60-600	
192850	FDG-18-800-...	8062818	ELFC-KF-60-800	
192850	FDG-18-1000-...	8062819	ELFC-KF-60-1000	
192850	FDG-18-1200-...	8062820	ELFC-KF-60-1200	
192850	FDG-18-1500-...	8062821	ELFC-KF-60-1500	
192850	FDG-18-1800-...	8062822	ELFC-KF-60-1800	
192850	FDG-18-2000-...	8062823	ELFC-KF-60-2000	
192851	FDG-25-100-...	8062824	ELFC-KF-80-100	
192851	FDG-25-200-...	8062825	ELFC-KF-80-200	
192851	FDG-25-300-...	8062826	ELFC-KF-80-300	
192851	FDG-25-400-...	8062827	ELFC-KF-80-400	
192851	FDG-25-500-...	8062828	ELFC-KF-80-500	
192851	FDG-25-600-...	8062829	ELFC-KF-80-600	
192851	FDG-25-800-...	8062830	ELFC-KF-80-800	
192851	FDG-25-1000-...	8062831	ELFC-KF-80-1000	
192851	FDG-25-1200-...	8062832	ELFC-KF-80-1200	
192851	FDG-25-1500-...	8062833	ELFC-KF-80-1500	
192851	FDG-25-1800-...	8062834	ELFC-KF-80-1800	
192851	FDG-25-2000-...	8062835	ELFC-KF-80-2000	

Motors and controllers

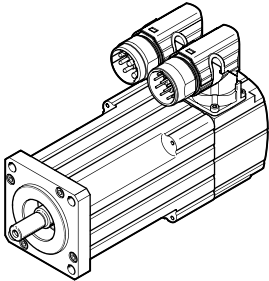
Servo motors

Servo motor
MTR-...



Servo motor
EMMS-...

Difference:
– Not 1:1 interchangeable

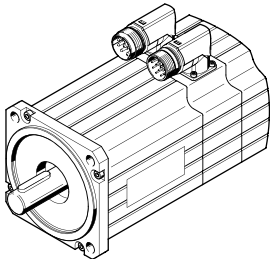


Part no.	Product type	Part no.	Alternative product type	Product comparison
540299	MTR-AC-40-3S-AA	1578617	EMMS-AS-40-M-LS-SR	
526723	MTR-AC-55-3S-AA	1569788	EMMS-AS-55-M-LS-RR	
526727	MTR-AC-70-3S-AA	1550884	EMMS-AS-70-S-LS-RR	
526731	MTR-AC-100-3S-AA	1562913	EMMS-AS-100-S-HS-RR	
526735	MTR-AC-100-5S-AA	1562937	EMMS-AS-100-M-HS-RR	



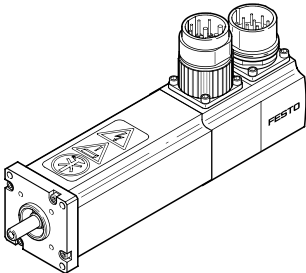
Note:
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Servo motor
MTR-...



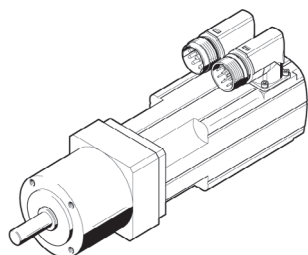
Servo motor
EMMS-...

Difference:
– Not 1:1 interchangeable



Part no.	Product type	Part no.	Alternative product type	Product comparison
540300	MTR-AC-40-3S-AB	1578618	EMMS-AS-40-M-LS-SRB	
526724	MTR-AC-55-3S-AB	1569789	EMMS-AS-55-M-LS-RRB	
526728	MTR-AC-70-3S-AA	1550885	EMMS-AS-70-S-LS-RRB	
526732	MTR-AC-100-3S-AB	1562914	EMMS-AS-100-S-HS-RRB	
526736	MTR-AC-100-5S-AB	1562938	EMMS-AS-100-M-HS-RRB	

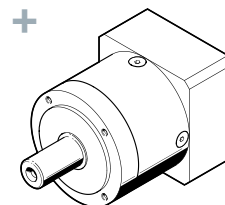
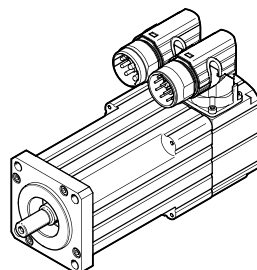
Servo motor and gear unit MTR-...



Servo motor and gear unit EMMS-... + EMGA-...

Difference:

- Not 1:1 interchangeable



Note:

Servo motor and gear unit need to be ordered separately.
Prices are for servo motor and gear unit.

Our servo motor series EMMS-AS can be
used for special variants and options.

Part no.	Product type	Part no.	Alternative product type	Product comparison
526725	MTR-AC-55-3S-GA	1569788	EMMS-AS-55-M-LS-RR	
		552189	EMGA-60-P-G5-SAS-55	
526729	MTR-AC-70-3S-GA	1550884	EMMS-AS-70-S-LS-RR	
		552191	EMGA-60-P-G5-SAS-70	
526729	MTR-AC-70-3S-GA	1550884	EMMS-AS-70-S-LS-RR	
		552193	EMGA-80-P-G5-SAS-70	
526733	MTR-AC-100-3S-GA	1562913	EMMS-AS-100-S-HS-RR	
		552195	EMGA-80-P-G5-SAS-100	
526733	MTR-AC-100-3S-GA	1562913	EMMS-AS-100-S-HS-RR	
		552195	EMGA-80-P-G5-SAS-100	
526737	MTR-AC-100-5S-GA	1562937	EMMS-AS-100-M-HS-RR	
		552197	EMGA-120-P-G5-SAS-100	



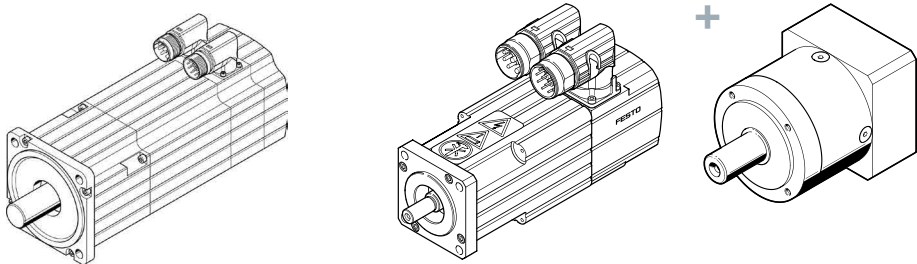
Note:

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this brochure and our catalogues that this is an old series
and that a new, improved product is now available.

Servo motor and gear unit
MTR-...

Servo motor and gear unit
EMMS-... + EMGA-...

Difference:
– Not 1:1 interchangeable

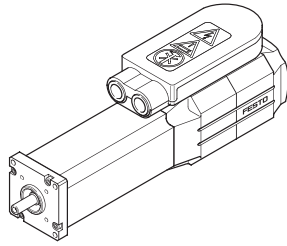


Note:
Servo motor and gear unit need to be ordered separately.
Prices are for servo motor and gear unit.

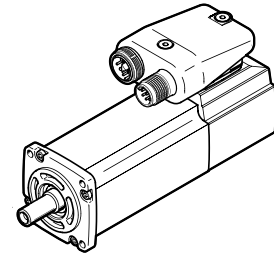
Part no.	Product type	Part no.	Alternative product type	Product comparison
526726	MTR-AC-55-3S-GB	1569789	EMMS-AS-55-M-LS-RRB	
		552189	EMGA-60-P-G5-SAS-55	
526730	MTR-AC-70-3S-GB	1550885	EMMS-AS-70-S-LS-RRB	
		552191	EMGA-60-P-G5-SAS-70	
526730	MTR-AC-70-3S-GB	1550885	EMMS-AS-70-S-LS-RRB	
		552193	EMGA-80-P-G5-SAS-70	
526734	MTR-AC-100-3S-GB	1562914	EMMS-AS-100-S-HS-RRB	
		552195	EMGA-80-P-G5-SAS-100	
526734	MTR-AC-100-3S-GB	1562914	EMMS-AS-100-S-HS-RRB	
		552195	EMGA-80-P-G5-SAS-100	
526738	MTR-AC-100-5S-GB	1562938	EMMS-AS-100-M-HS-RRB	
		552197	EMGA-120-P-G5-SAS-100	

Servo motor
EMMS-AS-...

– Encoder protocol EnDAT


Servo motor
EMME-AS-...

– Encoder protocol
HIPERFACE

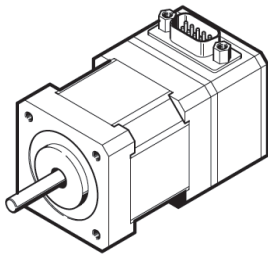

Difference:

– Not 1:1 interchangeable
(technical data and
dimensions)

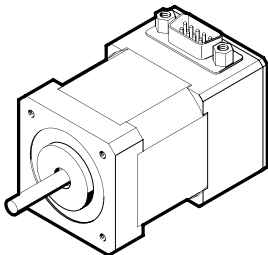
Part no.	Product type	Part no.	Alternative product type	Product comparison
1578602	EMMS-AS-40-S-LS-TM	2082429	EMME-AS-40-S-LV-AM	
1578604	EMMS-AS-40-S-LS-TMB	2082431	EMME-AS-40-S-LV-AMB	
550106	EMMS-AS-40-M-LS-TS	2082444	EMME-AS-40-M-LV-AS	
550108	EMMS-AS-40-M-LS-TSB	2082446	EMME-AS-40-M-LV-ASB	
550107	EMMS-AS-40-M-LS-TM	2082445	EMME-AS-40-M-LV-AM	
550109	EMMS-AS-40-M-LS-TMB	2082447	EMME-AS-40-M-LV-AMB	
1569736	EMMS-AS-55-S-LS-TS	2089698	EMME-AS-60-S-LS-AS	
1569738	EMMS-AS-55-S-LS-TSB	2089700	EMME-AS-60-S-LS-ASB	
1569737	EMMS-AS-55-S-LS-TM	2089699	EMME-AS-60-S-LS-AM	
1569739	EMMS-AS-55-S-LS-TMB	2089701	EMME-AS-60-S-LS-AMB	
550110	EMMS-AS-55-M-LS-TS	2089730	EMME-AS-60-M-LS-AS	
550112	EMMS-AS-55-M-LS-TSB	2089732	EMME-AS-60-M-LS-ASB	
550111	EMMS-AS-55-M-LS-TM	2089731	EMME-AS-60-M-LS-AM	
550113	EMMS-AS-55-M-LS-TMB	2089733	EMME-AS-60-M-LS-AMB	
550114	EMMS-AS-70-S-LS-RS	2093104	EMME-AS-80-S-LS-AS	
550116	EMMS-AS-70-S-LS-RSB	2093106	EMME-AS-80-S-LS-ASB	
550115	EMMS-AS-70-S-LS-RM	2093105	EMME-AS-80-S-LS-AM	
550117	EMMS-AS-70-S-LS-RMB	2093107	EMME-AS-80-S-LS-AMB	
550118	EMMS-AS-70-M-LS-RS	2093168	EMME-AS-80-M-LS-AS	
550120	EMMS-AS-70-M-LS-RSB	2093170	EMME-AS-80-M-LS-ASB	
550119	EMMS-AS-70-M-LS-RM	2093169	EMME-AS-80-M-LS-AM	
550121	EMMS-AS-70-M-LS-RMB	2093171	EMME-AS-80-M-LS-AMB	
550122	EMMS-AS-100-S-HS-RS	2103467	EMME-AS-100-S-HS-AS	
550124	EMMS-AS-100-S-HS-RSB	2103469	EMME-AS-100-S-HS-ASB	
550123	EMMS-AS-100-S-HS-RM	2103468	EMME-AS-100-S-HS-AM	
550125	EMMS-AS-100-S-HS-RMB	2103470	EMME-AS-100-S-HS-AMB	
550127	EMMS-AS-100-M-HS-RS	2103499	EMME-AS-100-M-HS-AS	
550129	EMMS-AS-100-M-HS-RSB	2103501	EMME-AS-100-M-HS-ASB	
550128	EMMS-AS-100-M-HS-RM	2103500	EMME-AS-100-M-HS-AM	
550130	EMMS-AS-100-M-HS-RMB	2103502	EMME-AS-100-M-HS-AMB	

Stepper motors

Stepper motor
MTR-...



Stepper motor
EMMS-...

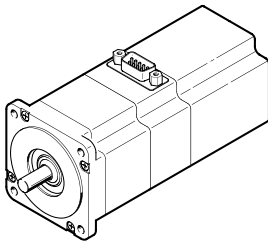


Part no.	Product type	Part no.	Alternative product type	Product comparison
530057	MTR-ST-42-48S-AA	1370470	EMMS-ST-42-S-S-G2	
530058	MTR-ST-42-48S-AB	1370472	EMMS-ST-42-S-SB-G2	
530061	MTR-ST-57-48S-AA	1370474	EMMS-ST-57-S-S-G2	
530062	MTR-ST-57-48S-AB	1370476	EMMS-ST-57-S-SB-G2	
530065	MTR-ST-87-48S-AA	1370486	EMMS-ST-87-M-S-G2	
530066	MTR-ST-87-48S-AB	1370488	EMMS-ST-87-M-SB-G2	

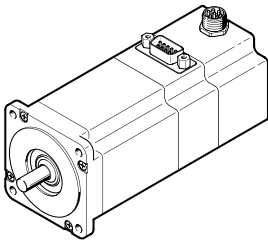


Note:
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Stepper motor
EMMS-ST-...



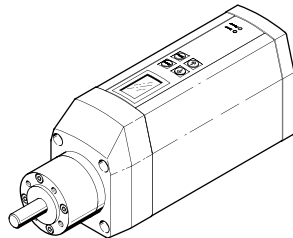
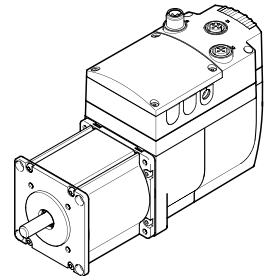
Stepper motor
EMMS-ST-...



Part no.	Product type	Part no.	Alternative product type	Product comparison
549404	EMMS-ST-42-S-S	1370470	EMMS-ST-42-S-S-G2	
549405	EMMS-ST-42-S-SE	1370471	EMMS-ST-42-S-SE-G2	
549406	EMMS-ST-42-S-SB	1370472	EMMS-ST-42-S-SB-G2	
549407	EMMS-ST-42-S-SEB	1370473	EMMS-ST-42-S-SEB-G2	
549408	EMMS-ST-57-S-S	1370474	EMMS-ST-57-S-S-G2	
549409	EMMS-ST-57-S-SE	1370475	EMMS-ST-57-S-SE-G2	
549410	EMMS-ST-57-S-SB	1370476	EMMS-ST-57-S-SB-G2	
549411	EMMS-ST-57-S-SEB	1370477	EMMS-ST-57-S-SEB-G2	
549412	EMMS-ST-57-M-S	1370478	EMMS-ST-57-M-S-G2	
549413	EMMS-ST-57-M-SE	1370479	EMMS-ST-57-M-SE-G2	

Stepper motor
EMMS-ST-...
Stepper motor
EMMS-ST-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
549414	EMMS-ST-57-M-SB	1370480	EMMS-ST-57-M-SB-G2	
549415	EMMS-ST-57-M-SEB	1370481	EMMS-ST-57-M-SEB-G2	
549416	EMMS-ST-87-S-S	1370482	EMMS-ST-87-S-S-G2	
549417	EMMS-ST-87-S-SE	1370483	EMMS-ST-87-S-SE-G2	
549418	EMMS-ST-87-S-SB	1370484	EMMS-ST-87-S-SB-G2	
549419	EMMS-ST-87-S-SEB	1370485	EMMS-ST-87-S-SEB-G2	
549420	EMMS-ST-87-M-S	1370486	EMMS-ST-87-M-S-G2	
549421	EMMS-ST-87-M-SE	1370487	EMMS-ST-87-M-SE-G2	
549422	EMMS-ST-87-M-SB	1370488	EMMS-ST-87-M-SB-G2	
549423	EMMS-ST-87-M-SEB	1370489	EMMS-ST-87-M-SEB-G2	
549424	EMMS-ST-87-L-S	1370490	EMMS-ST-87-L-S-G2	
549425	EMMS-ST-87-L-SE	1370491	EMMS-ST-87-L-SE-G2	
549426	EMMS-ST-87-L-SB	1370493	EMMS-ST-87-L-SB-G2	
549427	EMMS-ST-87-L-SEB	1370494	EMMS-ST-87-L-SEB-G2	

Integrated drives
Stepper motor
MTR-...

Stepper motor
EMCA-...

Difference:

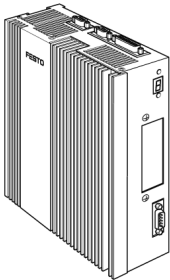
- Not 1:1 interchangeable (technical data, functions, interfaces and dimensions)!

Part no.	Product type	Part no.	Alternative product type	Product comparison
533736	MTR-DCI-32-S-VCSC-E-...	1509036	EMCA-EC-67-...	
533742	MTR-DCI-42-S-VCSC-E-...	1509036	EMCA-EC-67-...	
533748	MTR-DCI-52-S-VCSC-E-...	1509036	EMCA-EC-67-...	

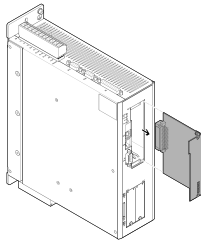
Controllers

Controllers for servo motors

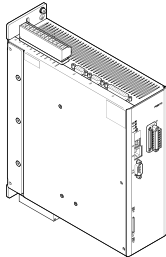
Motor controller
SEC-...



Motor controller
CMMP-AS-... +
CAMC-DS-M1
CMMP-AS-...



CMMP-AS-...-M3 +
CAMC-DS-M1



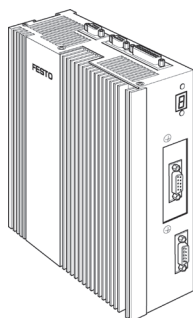
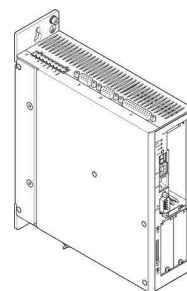
CMMP-AS-...-M0

Note:
Technical improvements.
The cost saving depends
on the specific application.

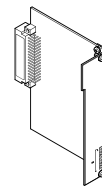
Part no.	Product type	Part no.	Alternative product type	Product comparison
193846	SEC-AC-305/P01	1501325	CMMP-AS-C2-3A-M3	
		1501329	CAMC-DS-M1	
193846	SEC-AC-305/P01	1501326	CMMP-AS-C5-3A-M3	
		1501329	CAMC-DS-M1	
193847	SEC-AC-508/P01	1501327	CMMP-AS-C5-11A-P3-M3	
		1501329	CAMC-DS-M1	
193847	SEC-AC-508/P01	1501328	CMMP-AS-C10-11A-P3-M3	
		1501329	CAMC-DS-M1	
193486	SEC-AC-305/P01	1622901	CMMP-AS-C2-3A-M0	
193486	SEC-AC-305/P01	1622902	CMMP-AS-C5-3A-M0	
193847	SEC-AC-508/P01	1622903	CMMP-AS-C5-11A-P3-M0	
193847	SEC-AC-508/P01	1622904	CMMP-AS-C10-11A-P3-M0	



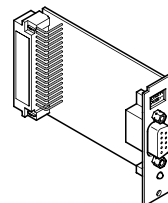
Note:
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and that a new, improved product is now available.

**Motor controller and fieldbus
SEC-AC-...**

**Motor controller + Profibus
CMMP-AS-...
CAMC-...
(CAMC-PB)**


+



+



CMMP-AS-...

CAMC-DS-M1

CAMC-PB

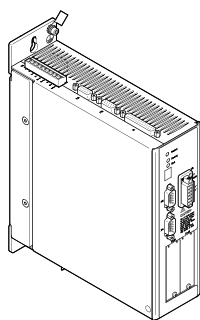
Part no.	Product type	Part no.	Alternative product type	Product comparison
533778	SEC-AC-305-PB-P01	1501325	CMMP-AS-C2-3A-M3	
		1501329	CAMC-DS-M1	
		547450	CAMC-PB	
533778	SEC-AC-305-PB-P01	1501326	CMMP-AS-C5-3A-M3	
		1501329	CAMC-DS-M1	
		547450	CAMC-PB	
533779	SEC-AC-508-PB-P01	1501327	CMMP-AS-C5-11A-P3-M3	
		1501329	CAMC-DS-M1	
		547450	CAMC-PB	
533779	SEC-AC-508-PB-P01	1501328	CMMP-AS-C10-11A-P3-M3	
		1501329	CAMC-DS-M1	
		547450	CAMC-PB	
533781	SEC-AC-305-CO-P01	1501325	CMMP-AS-C2-3A-M3	
		1501329	CAMC-DS-M1	
533781	SEC-AC-305-CO-P01	1501326	CMMP-AS-C5-3A-M3	
		1501329	CAMC-DS-M1	
533782	SEC-AC-508-CO-P01	1501327	CMMP-AS-C5-11A-P3-M3	
		1501329	CAMC-DS-M1	
533782	SEC-AC-508-CO-P01	1501328	CMMP-AS-C10-11A-P3-M3	
		1501329	CAMC-DS-M1	
533781	SEC-AC-305-CO-P01	1622901	CMMP-AS-C2-3A-M0	
533781	SEC-AC-305-CO-P01	1622902	CMMP-AS-C5-3A-M0	
533782	SEC-AC-508-CO-P01	1622903	CMMP-AS-C5-11A-P3-M0	
533782	SEC-AC-508-CO-P01	1622904	CMMP-AS-C10-11A-P3-M0	

Note: Technical improvements – therefore no saving on price, depends on the specific application.
Prices are for controller + Profibus. The products should be ordered individually.

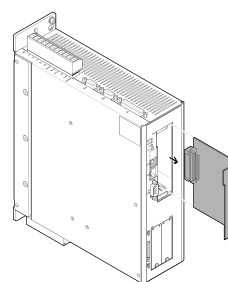


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Motor controller
CMMP-AS-...

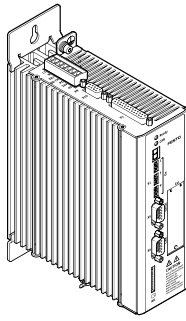
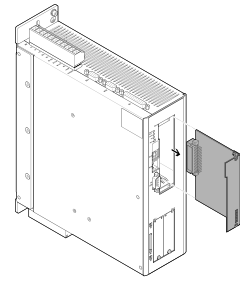


Motor controller
CMMP-AS-...



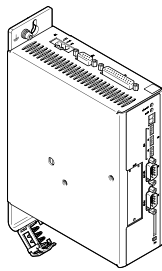
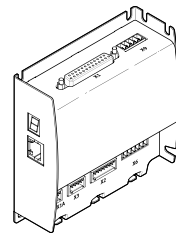
Part no.	Product type	Part no.	Alternative product type	Product comparison
550041	CMMP-AS-C2-3A	1501325	CMMP-AS-C2-3A-M3	
		1501330	CAMC-G-S1	
550042	CMMP-AS-C5-3A	1501326	CMMP-AS-C5-3A-M3	
		1501330	CAMC-G-S1	
551023	CMMP-AS-C5-11A-P3	1501327	CMMP-AS-C5-11A-P3-M3	
		1501330	CAMC-G-S1	
551024	CMMP-AS-C10-11A-P3	1501328	CMMP-AS-C10-11A-P3-M3	
		1501330	CAMC-G-S1	
1366842	CMMP-AS-C20-11A-P3	3215473	CMMP-AS-C15-11A-P3-M3	
		1501330	CAMC-G-S1	
550041	CMMP-AS-C2-3A	1622901	CMMP-AS-C2-3A-M0	
550042	CMMP-AS-C5-3A	1622902	CMMP-AS-C5-3A-M0	
551023	CMMP-AS-C5-11A-P3	1622903	CMMP-AS-C5-11A-P3-M0	
551024	CMMP-AS-C10-11A-P3	1622904	CMMP-AS-C10-11A-P3-M0	

Standard motor controllers

Motor controller
CMMS-AS-...Motor controller
CMMO-AS-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
552741	CMMS-AS-C4-3A	1622901	CMMP-AS-C2-3A-M0	
552741	CMMS-AS-C4-3A	1501325	CMMP-AS-C2-3A-M3	
		1501330	CAMC-G-S1	
572986	CMMS-AS-C4-3A-G2	1622901	CMMP-AS-C2-3A-M0	
572986	CMMS-AS-C4-3A-G2	1501325	CMMP-AS-C2-3A-M3	
		1501330	CAMC-G-S1	

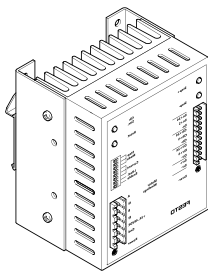
Controllers for stepper motors

Motor controller
CMMS-ST-...Motor controller
CMMO-ST-...**Difference:**

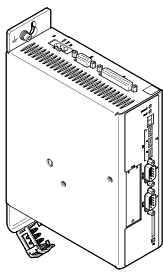
- For CMMS-ST-C8-7-G2 =
can be fully interchanged
- For CMMO-ST-C5-1-DIOP:
CMMO process interfaces:
digital IO and CvE
- For CMMO-ST-C5-1-LKP
CMMO process interfaces:
IO-Link V1.1, I-Port,
Modbus TCP

Part no.	Product type	Part no.	Alternative product type	Product comparison
547454	CMMS-ST-C8-7	572211	CMMS-ST-C8-7-G2	
572211	CMMS-ST-C8-7-G2	1512316	CMMO-ST-C5-1-DIOP	
572211	CMMS-ST-C8-7-G2	1512320	CMMO-ST-C5-1-LKP	

Motor controller
SEC-ST-...



Motor controller
CMMS-ST-...



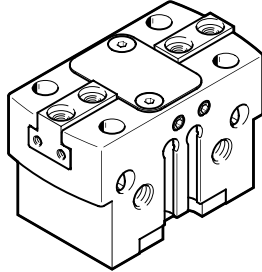
Difference:
– Process interfaces:
step/direction

Part no.	Product type	Part no.	Alternative product type	Product comparison
548945	SEC-ST-48-6-P01	572211	CMMS-ST-C8-7-G2	
530069	SEC-ST-48-6-P01	572211	CMMS-ST-C8-7-G2	

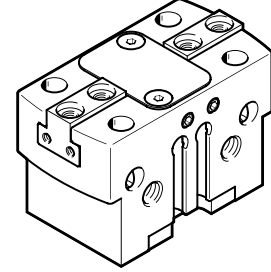
Grippers

Parallel grippers

Parallel gripper
HGP-...-A-...



Parallel gripper
HGPT-...-B-...



Difference:

- Robust version with 30% more gripping force due to oval piston
- Space-optimised and reduced weight

Part no.	Product type	Part no.	Alternative product type	Product comparison
535858	HGPT-16-A	560192	HGPT-16-B	
535859	HGPT-16-A-G1	560193	HGPT-16-B-G1	
535860	HGPT-16-A-G2	560194	HGPT-16-B-G2	
535861	HGPT-20-A	560198	HGPT-20-B	
535862	HGPT-20-A-G1	560199	HGPT-20-B-G1	
535863	HGPT-20-A-G2	560200	HGPT-20-B-G2	
535864	HGPT-25-A	560204	HGPT-25-B	
535865	HGPT-25-A-G1	560205	HGPT-25-B-G1	
535866	HGPT-25-A-G2	560206	HGPT-25-B-G2	
535867	HGPT-35-A	560210	HGPT-35-B	
535868	HGPT-35-A-G1	560211	HGPT-35-B-G1	
535869	HGPT-35-A-G2	560212	HGPT-35-B-G2	
535870	HGPT-40-A	560216	HGPT-40-B	
535871	HGPT-40-A-G1	560217	HGPT-40-B-G1	
535872	HGPT-40-A-G2	560218	HGPT-40-B-G2	
535873	HGPT-50-A	560222	HGPT-50-B	
535874	HGPT-50-A-G1	560223	HGPT-50-B-G1	
535875	HGPT-50-A-G2	560224	HGPT-50-B-G2	
535876	HGPT-63-A	560228	HGPT-63-B	
535877	HGPT-63-A-G1	560229	HGPT-63-B-G1	
535878	HGPT-63-A-G2	560230	HGPT-63-B-G2	
–	–	560234	HGPT-80-B	
–	–	560235	HGPT-80-B-G1	
–	–	560236	HGPT-80-B-G2	

Vacuum technology

Vacuum generators

Vacuum generator

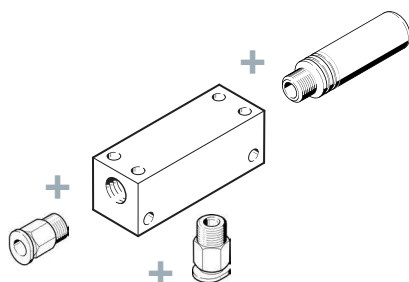
VAD-...

VAK-...

Accessories:

1 silencer

2 push-in fittings



Note:

Silencers and push-in fittings

need to be ordered separately

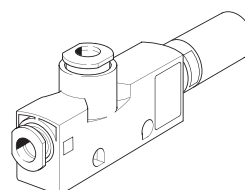
The savings include the specified number of silencers and fittings.

Vacuum generators

VN-...

– Built-in silencer

– Integrated push-in fittings



Difference:

– Polymer housing

– Temperature range up to 50

°C

– IP40 only

Part no.	Product type	Part no.	Alternative product type	Product comparison
19293	VAD-M5	193488	VN-05-H-T3-PQ2-VQ2-RO1	
1x 165003	UC-M5			
2x 153004	QSM-M5-4			
14015	VAD-1/8	193489	VN-07-H-T3-PQ2-VQ2-RO1	
1x 197583	UO-1/8			
2x 153002	QS-1/8-6			
9394	VAD-1/4	193490	VN-10-H-T3-PQ2-VQ2-RO1	
1x 197584	UO-1/4			
2x 153003	QS-1/4-6			
19294	VAD-3/8	547707	VN-14-H-T4-PQ2-VQ3-RO2	
1x 538433	UOM-3/8			
2x 153006	QS-3/8-8			
6890	VAK-1/4	532638	VN-10-H-T3-PQ2-VQ2-RO1-A	
1x 197584	UO-1/4			
2x 153005	QS-1/4-8			

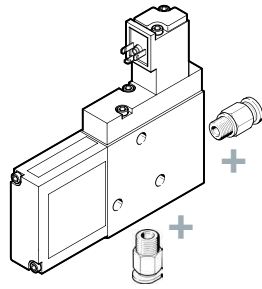
Vacuum generator
VAD-ME-...
VAD-MYB-...

Accessories:

2 push-in
fittings

Note:

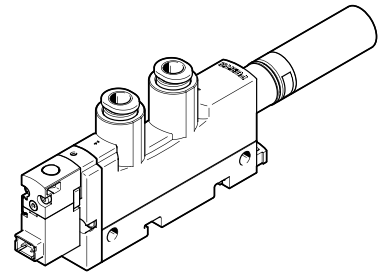
Push-in fittings should
be ordered separately.

The savings include the specified
number of push-in fittings.

Vacuum generator
VN-...

– Integrated push-in
fittings

Difference:

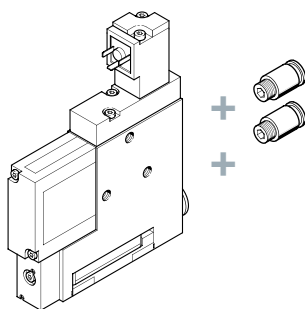
- Polymer housing
- Temperature range up to 50 °C
- IP40 only



Part no.	Product type	Part no.	Alternative product type	Product comparison
35553	VAD-MYB-1/8	532626	VN-07-H-T3-PQ2-VQ2-R01-M	
2x 153002	QS-1/8-6			
35554	VAD-ME-1/8	532636	VN-10-H-T3-PQ2-VQ2-R01-M	
2x 153002	QS-1/8-6			
35555	VAD-ME-1/4	532644	VN-14-H-T4-PQ3-VQ3-R02-M	
2x 153005	QS-1/4-8			
35556	VAD-ME-3/8	532656	VN-20-H-T6-PQ4-VQ5-R02-M	
1x 153009	QS-3/8-12			
1x 153008	QS-3/8-10			
35530	VAD-MYB-I-1/8	532630	VN-07-H-T3-PQ2-VQ2-R01-B	
2x 153002	QS-1/8-6			
35531	VAD-ME-I-1/8	532640	VN-10-H-T3-PQ2-VQ2-R01-B	
2x 153002	QS-1/8-6			
35532	VAD-ME-I-1/4	532648	VN-14-H-T4-PQ3-VQ3-R02-B	
2x 153005	QS-1/4-8			

Vacuum generator VADM-...

Accessories:
2 push-in fittings

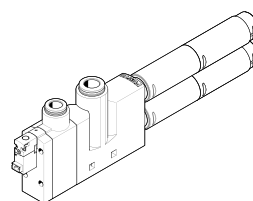


Vacuum generator VN-...

– Integrated push-in fittings

Difference:

- Polymer housing
- Temperature range up to 50 °C
- IP40 only



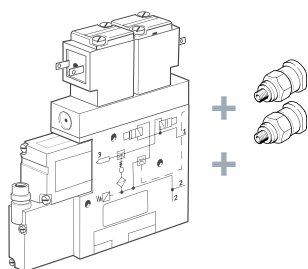
Note:

Push-in fittings should
be ordered separately.
The savings include the specified
number of push-in fittings.

Part no.	Product type	Part no.	Alternative product type	Product comparison
162500	VADM-45	532618	VN-05-H-T3-PQ2-VQ2-RO1-M	
2x 153304	QSM-M5-6			
162501	VADM-70	532626	VN-07-H-T3-PQ2-VQ2-RO1-M	
1x 153002	QS-1/8-6			
1x 153304	QSM-M5-6			
162502	VADM-95	532636	VN-10-H-T3-PQ2-VQ2-RO1-M	
2x 153002	QS-1/8-6			
162503	VADM-140	532644	VN-14-H-T4-PQ3-VQ3-RO2-M	
1x 153003	QS-1/4-8			
1x 153002	QS-1/8-8			
162504	VADM-200	532656	VN-20-H-T6-PQ4-VQ5-RO2-M	
1x 153006	QS-3/8-12			
1x 153003	QS-1/4-10			
162505	VADM-300	532662	VN-30-H-T6-PQ4-VQ5-RO2-M	
1x 153006	QS-3/8-12			
1x 153003	QS-1/4-10			

**Vacuum generator
VADMI-...**

Accessories:
2 push-in fittings

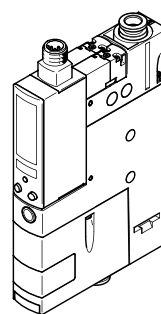


**Vacuum generator
OVEM-...**

– Integrated push-in fittings

Difference:

– Vacuum sensor with display,
central connector and open
silencer



Note:

Push-in fittings should be ordered separately.
The savings include the specified number
of push-in fittings.

Part no.	Product type	Part no.	Alternative product type	Product comparison
171053	VADMI-45-LS-P	538831	OVEM-05-H-B-QO-CE-N-2P	
2x 153306	QSM-M5-6			
171055	VADMI-70-LS-P	538832	OVEM-07-H-B-QO-CE-N-2P	
1x 153306	QSM-M5-6			
1x 153004	QS-1/8-8			
171057	VADMI-95-LS-P	538833	OVEM-10-H-B-QO-CE-N-2P	
2x 153004	QS-1/8-8			
171059	VADMI-140-LS-P	539997	OVEM-14-H-B-QO-CE-N-2P	
1x 153004	QS-1/8-8			
1x 153005	QS-1/4-8			
171061	VADMI-200-LS-P	8023700	OVEM-20-H-B-QO-CE-N-2P	
1x 153006	QS-3/8-8			
1x 153005	QS-1/4-8			

Valves

Universal directional control valves

Solenoid valve

MFH-...

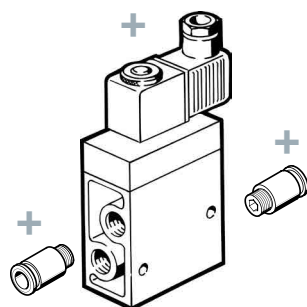
MOFH-...

JMFH-...

Accessories:

Solenoid coil

Push-in fittings

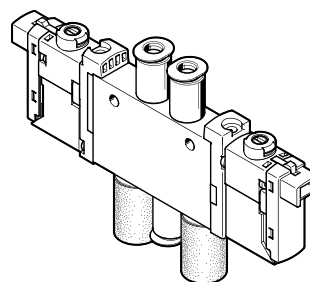


Solenoid valve

VUVG-...

Difference:

- Can be configured via modular system



Note:

Solenoid coils and push-in fittings should be ordered separately.

The savings include the specified number of solenoid coils and fittings.

Part no.	Product type	Part no.	Alternative product type	Product comparison
7958	MFH-3-1/8-S		VUVG-L14-T32C-AZH-Q6...	
1x 34411	MSFG-24/42-50/60-OD			
2x 153002	QS-1/8-6			
7959	MFH-3-1/4-S		VUVG-L14-T32C-AZH-Q8...	
1x 34411	MSFG-24/42-50/60-OD			
2x 153005	QS-1/4-8			
7877	MOFH-3-1/8		VUVG-L14-M32U-AZH-Q6...	
1x 34411	MSFG-24/42-50/60-OD			
2x 153002	QS-1/8-6			
7876	MOFH-3-1/4		VUVG-L14-M32U-AZH-Q8...	
1x 34411	MSFG-24/42-50/60-OD			
2x 153005	QS-1/4-8			
10348	MFH-5-1/8-S		VUVG-L14-M52-AZH-Q6...	
1x 34411	MSFG-24/42-50/60-OD			
3x 153002	QS-1/8-6			
10349	MFH-5-1/4-S		VUVG-L14-M52-AZH-Q8...	
1x 34411	MSFG-24/42-50/60-OD			
3x 153005	QS-1/4-8			
14008	JMFH-5-1/8-S		VUVG-L14-B52-ZH-Q6...	
2x 34411	MSFG-24/42-50/60-OD			
3x 153002	QS-1/8-6			

Solenoid valve

MFH-...

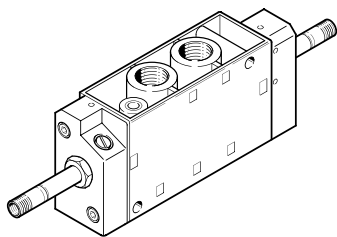
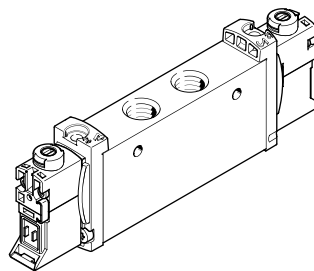
MOFH-...

JMFH-...

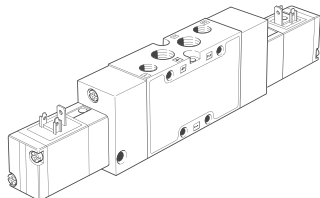
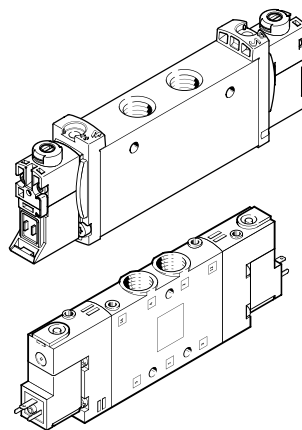
Solenoid valve

VUVG-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
14009	JMFH-5-1/4-S		VUVG-L14-B52-ZD-Q8...	
2x 34411	MSFG-24/42-50/60-OD			
3x 153005	QS-1/4-8			
19759	MFH-5-1/8-S-B		VUVG-L14-M52-AZH-Q6...	
1x 34411	MSFG-24/42-50/60-OD			
3x 153002	QS-1/8-6			
15902	MFH-5-1/4-S-B		VUVG-L14-M52-AZH-Q8...	
1x 34411	MSFG-24/42-50/60-OD			
3x 153005	QS-1/4-8			
30487	JMFH-5-1/8-S-B		VUVG-L14-B52-ZH-Q6...	
2x 34411	MSFG-24/42-50/60-OD			
3x 153002	QS-1/8-6			
19790	JMFH-5-1/4-S-B		VUVG-L14-B52-ZH-Q8...	
2x 34411	MSFG-24/42-50/60-OD			
3x 153005	QS-1/4-8			
30996	MVH-5-1/8-S-B		VUVG-L14-M52-AZH-Q6...	
3x 153002	QS-1/8-6			
15903	MVH-5-1/4-S-B		VUVG-L14-M52-AZH-Q8...	
3x 153005	QS-1/4-8			
30476	JMVH-5-1/8-S-B		VUVG-L14-B52-ZH-Q6...	
3x 153002	QS-1/8-6			
19137	JMVH-5-1/4-S-B		VUVG-L14-B52-ZD-Q8...	
3x 153005	QS-1/4-8			

Solenoid valve
MOFH-...
MFH-...
JMFH-...

Solenoid valve
VUVG-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
7877	MOFH-3-1/8	574369	VUVG-L14-T32U-MT-G18-1P3	
7876	MOFH-3-1/4	566497	VUVG-L14-T32U-AT-G18-1P3	
7958	MFH-3-1/8-S	566505	VUVG-L14-T32C-AZT-G18-1P3	
7959	MFH-3-1/4-S	566505	VUVG-L14-T32C-AZT-G18-1P3	
8821	JMFDH-5-1/8	574230	VUVG-L14-B52-T-G18-1R8L	
10348	MFH-5-1/8-S	576216	VUVG-L14-M52-AZT-G18-1R8L	
10349	MFH-5-1/4-S	574437	VUVG-L18-M52-RZT-G14-1P3	
15902	MFH-5-1/4-S-B	574437	VUVG-L18-M52-RZT-G14-1P3	
14008	JMFH-5-1/8-S	566509	VUVG-L14-B52-ZT-G18-1P3	
10410	JMFH-5-1/4	566500	VUVG-L14-B52-T-G18-1P3	
14009	JMFH-5-1/4-S	566509	VUVG-L14-B52-ZT-G18-1P3	

Solenoid valve
JMVH-...
MVH-...

Solenoid valve
VUVG-...
CPE-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
19136	JMVH-5-1/4-B	574430	VUVG-L18-B52-T-G14-1P3	
19136	JMVH-5-1/4-B	163143	CPE18-M1H-5J-1/4	
19137	JMVH-5-1/4-S-B	574439	VUVG-L18-B52-ZT-G14-1P3	
19137	JMVH-5-1/4-S-B	163147	CPE18-M1H-5JS-1/4	
19138	MVH-5/3G-1/4-B	574431	VUVG-L18-P53C-T-G14-1P3	
19138	MVH-5/3G-1/4-B	170247	CPE18-M1H-5/3G-1/4	

Solenoid valve

JMVH-...

MVH-...

Solenoid valve

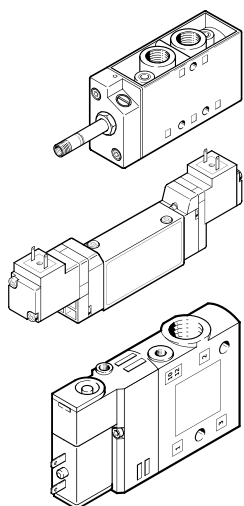
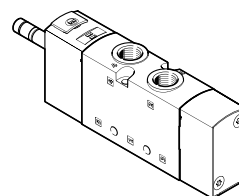
VUVG-...

CPE-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
19139	MVH-5/3E-1/4-B	574432	VUVG-L18-P53E-T-G14-1P3	
19139	MVH-5/3E-1/4-B	170249	CPE18-M1H-5/3E-1/4	
19140	MVH-5/3B-1/4-B	574433	VUVG-L18-P53U-T-G14-1P3	
19140	MVH-5/3B-1/4-B	170251	CPE18-M1H-5/3B-1/4	
19749	MVH-5-1/8-L-B	196941	CPE14-M1BH-5L-1/8	
19749	MVH-5-1/8-L-B	566499	VUVG-L14-M52-AT-G18-1P3	
19749	MVH-5-1/8-L-B	574229	VUVG-L14-M52-AT-G18-1R8L	
19750	MVH-5-1/8-L-S-B	196942	CPE14-M1BH-5LS-1/8	
19750	MVH-5-1/8-L-S-B	566508	VUVG-L14-M52-AZT-G18-1P3	
19750	MVH-5-1/8-L-S-B	576216	VUVG-L14-M52-AZT-G18-1R8L	
19758	MFH-5-1/8-B	574229	VUVG-L14-M52-AT-G18-1R8L	
19759	MFH-5-1/8-S-B	576216	VUVG-L14-M52-AZT-G18-1R8L	
19779	MVH-5-1/8-B	574229	VUVG-L14-M52-AT-G18-1R8L	
19779	MVH-5-1/8-B	574359	VUVG-L10-M52-MT-M7-1P3	
30475	JMVH-5-1/8-B	566500	VUVG-L14-B52-T-G18-1P3	
30475	JMVH-5-1/8-B	574230	VUVG-L14-B52-T-G18-1R8L	
30476	JMVH-5-1/8-S-B	196940	CPE14-M1BH-5JS-1/8	
30476	JMVH-5-1/8-S-B	566509	VUVG-L14-B52-ZT-G18-1P3	
30477	MVH-5/3G-1/8-B	196937	CPE14-M1BH-5/3G-1/8	
30478	MVH-5/3E-1/8-B	196935	CPE14-M1BH-5/3E-1/8	
30480	MVH-5/3B-1/8-B	196933	CPE14-M1BH-5/3B-1/8	
30487	JMFH-5-1/8-S-B	566509	VUVG-L14-B52-ZT-G18-1P3	
30992	MFH-5-1/8-L-S-B	566508	VUVG-L14-M52-AZT-G18-1P3	
30992	MFH-5-1/8-L-S-B	576216	VUVG-L14-M52-AZT-G18-1R8L	
30996	MVH-5-1/8-S-B	576216	VUVG-L14-M52-AZT-G18-1R8L	
30997	MVH-5/3G-1/8-S-B	196938	CPE14-M1BH-5/3GS-1/8	
30997	MVH-5/3G-1/8-S-B	566501	VUVG-L14-P53C-T-G18-1P3	
30998	MVH-5/3E-1/8-S-B	196936	CPE14-M1BH-5/3ES-1/8	
30998	MVH-5/3E-1/8-S-B	566502	VUVG-L14-P53E-T-G18-1P3	
30999	MVH-5/3B-1/8-S-B	196934	CPE14-M1BH-5/3BS-1/8	
30999	MVH-5/3B-1/8-S-B	566503	VUVG-L14-P53U-T-G18-1P3	
31004	MVH-5/3G-1/4-S-B	170248	CPE18-M1H-5/3GS-1/4	
31005	MVH-5/3E-1/4-S-B	170250	CPE18-M1H-5/3ES-1/4	

Solenoid valve
JMVH-...
MVH-...
Solenoid valve
VUVG-...
CPE-...

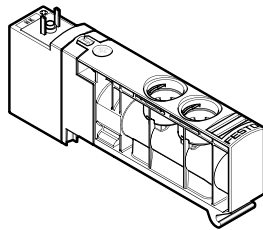
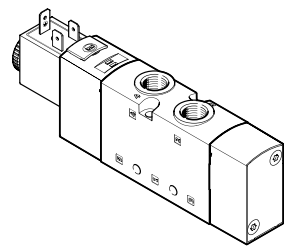
Part no.	Product type	Part no.	Alternative product type	Product comparison
31006	MVH-5/3B-1/4-S-B	170252	CPE18-M1H-5/3BS-1/4	
31009	MVH-5-1/4-L-B	574428	VUVG-L18-M52-RT-G14-1P3	
31009	MVH-5-1/4-L-B	163142	CPE18-M1H-5L-1/4	
33184	MVH-5-1/4-L-S-B	574437	VUVG-L18-M52-RZT-G14-1P3	
33184	MVH-5-1/4-L-S-B	163146	CPE18-M1H-5LS-1/4	

Solenoid valve
MFH-...
MEH-...
JMFH-...
CPE14-...

Solenoid valve
VUVS-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
9982	MFH-5-1/8	575249	VUVS-L20-M52-AD-G18-F7	
30991	MFH-5-1/8-L-B	575249	VUVS-L20-M52-AD-G18-F7	
173133	MEH-5/2-1/8-L-B	575249	VUVS-L20-M52-AD-G18-F7	
196941	CPE14-M1BH-5L-1/8	575249	VUVS-L20-M52-AD-G18-F7	
8820	JMFH-5-1/8	575251	VUVS-L20-B52-D-G18-F7	
30486	JMFH-5-1/8-B	575251	VUVS-L20-B52-D-G18-F7	
173431	JMEH-5/2-1/8-B	575251	VUVS-L20-B52-D-G18-F7	
196939	CPE14-M1BH-5J-1/8	575251	VUVS-L20-B52-D-G18-F7	
30484	MFH-5/3G-1/8-B	575254	VUVS-L20-P53C-MD-G18-F7	
173139	MEH-5/3G-1/8-B	575254	VUVS-L20-P53C-MD-G18-F7	
196937	CPE14-M1BH-5/3G-1/8	575254	VUVS-L20-P53C-MD-G18-F7	
7802	MFH-3-1/8	575255	VUVS-L20-M32C-AD-G18-F7	
173124	MEH-3/2-1/8-B	575255	VUVS-L20-M32C-AD-G18-F7	
196929	CPE14-M1BH-3GL-1/8	575255	VUVS-L20-M32C-AD-G18-F7	

Solenoid valve
MFH-...
MEH-...
JMFH-...
CPE14-...
Solenoid valve
VUVS-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
9982	MFH-5-1/8	575263	VUVS-L20-M52-AD-G18-F7-1C1	
30991	MFH-5-1/8-L-B	575263	VUVS-L20-M52-AD-G18-F7-1C1	
173133	MEH-5/2-1/8-L-B	575263	VUVS-L20-M52-AD-G18-F7-1C1	
196941	CPE14-M1BH-5L-1/8	575263	VUVS-L20-M52-AD-G18-F7-1C1	
8820	JMFH-5-1/8	575265	VUVS-L20-B52-D-G18-F7-1C1	
30486	JMFH-5-1/8-B	575265	VUVS-L20-B52-D-G18-F7-1C1	
173431	JMEH-5/2-1/8-B	575265	VUVS-L20-B52-D-G18-F7-1C1	
196939	CPE14-M1BH-5J-1/8	575265	VUVS-L20-B52-D-G18-F7-1C1	
30484	MFH-5/3G-1/8-B	575268	VUVS-L20-P53C-MD-G18-F7-1C1	
173139	MEH-5/3G-1/8-B	575268	VUVS-L20-P53C-MD-G18-F7-1C1	
196937	CPE14-M1BH-5/3G-1/8	575268	VUVS-L20-P53C-MD-G18-F7-1C1	
7802	MFH-3-1/8	575269	VUVS-L20-M32C-AD-G18-F7-1C1	
173124	MEH-3/2-1/8-B	575269	VUVS-L20-M32C-AD-G18-F7-1C1	
196929	CPE14-M1BH-3GL-1/8	575269	VUVS-L20-M32C-AD-G18-F7-1C1	

Solenoid valve
VUVB-S-...

Solenoid valve
VUVS-...
VUVG-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
568312	VUVB-S-M32C-AZD-T14-1C1	575271	VUVS-L20-M32C-AZD-G18-F7-1C1	
568313	VUVB-S-M32C-AZD-T516-1C1	575271	VUVS-L20-M32C-AZD-G18-F7-1C1	
568314	VUVB-S-M32C-AZD-T38-1C1	575271	VUVS-L20-M32C-AZD-G18-F7-1C1	
568315	VUVB-S-M32U-AZD-T14-1C1	575272	VUVS-L20-M32C-AZD-G18-F7-1C1	
568316	VUVB-S-M32U-AZD-T516-1C1	575272	VUVS-L20-M32C-AZD-G18-F7-1C1	
568317	VUVB-S-M32U-AZD-T38-1C1	575272	VUVS-L20-M32C-AZD-G18-F7-1C1	
568318	VUVB-S-M42-AZD-T14-1C1	575676	VUVS-L20-M52-AZD-G18-F7-1C1	
568319	VUVB-S-M42-AZD-T516-1C1	575676	VUVS-L20-M52-AZD-G18-F7-1C1	
568320	VUVB-S-M42-AZD-T38-1C1	575676	VUVS-L20-M52-AZD-G18-F7-1C1	

Solenoid valve
VUVB-S-...

Solenoid valve
VUVS-...
VUVG-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
568321	VUVB-S-B42-ZD-T14-1C1	575683	VUVS-L20-B52-ZD-G18-F7-1C1	
568322	VUVB-S-B42-ZD-T516-1C1	575683	VUVS-L20-B52-ZD-G18-F7-1C1	
568323	VUVB-S-B42-ZD-T38-1C1	575683	VUVS-L20-B52-ZD-G18-F7-1C1	
537534	VUVB-S-M42-AZD-QX-1C1	575676	VUVS-L20-M52-AZD-G18-F7-1C1	
537535	VUVB-S-B42-ZD-QX-1C1	575683	VUVS-L20-B52-ZD-G18-F7-1C1	
537605	VUVB-S-M32C-AZD-Q10-1T1L	8004876	VUVG-S18-T32C-MZT-G14-1T1L	
537609	VUVB-S-M32U-AZD-Q10-1T1L	8004877	VUVG-S18-T32U-MZT-G14-1T1L	
537617	VUVB-S-B42-ZD-Q10-1T1L	8004881	VUVG-S18-B52-ZT-G14-1T1L	
537640	VUVB-S-M42-AZD-QX-1T1L	8004880	VUVG-S18-M52-MZT-G14-1T1L	
537641	VUVB-S-B42-ZD-QX-1T1L	8004881	VUVG-S18-B52-ZT-G14-1T1L	
573993	VUVB-S-M32C-AZD-QX-1C1	575271	VUVS-L20-M32C-AZD-G18-F-1C1	
573994	VUVB-S-M32U-AZD-QX-1C1	575272	VUVS-L20-M32U-AZD-G18-F-1C1	
574001	VUVB-S-M32C-AZD-QX-1T1L	573467	VUVG-S14-T32C-MZT-G18-1T1L	
574002	VUVB-S-M32U-AZD-QX-1T1L	8004877	VUVG-S18-T32U-MZT-G14-1T1L	

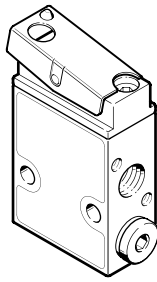
Mechanically operated directional control valves: stem actuated valves

Stem actuated valve

VS-...

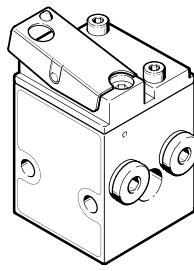
VOS-...

V-... / VO-... / V/O-...



VS-3-1/8

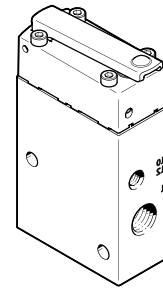
VOS-3-1/8



VS-4-1/8

Stem actuated valve

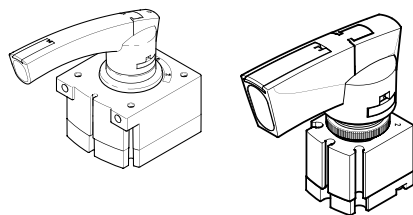
VMEM-STCZ-...



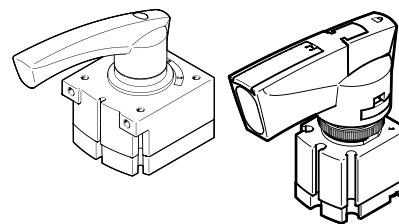
Part no.	Product type	Part no.	Alternative product type	Product comparison
2334	VS-3-1/8	555622	VMEM-STCZ-M32C-M-G18	
2334	VS-3-1/8	555620	VMEM-STC-M32C-M-G18	
2952	VOS-3-1/8	555623	VMEM-STCZ-M32U-M-G18	
2952	VOS-3-1/8	555621	VMEM-STC-M32U-M-G18	
3394	VS-4-1/8	555629	VMEM-SCZ-M52-M-G18	
3394	VS-4-1/8	555627	VMEM-SC-M52-M-G18	
4938	V/O-3-1/8	555618	VMEM-ST-M32C-M-G18	
4938	V/O-3-1/8	555619	VMEM-ST-M32U-M-G18	
6808	V-3-1/4-B	556901	VMEM-ST-M32C-M-G14	
9157	VO-3-1/4-B	556902	VMEM-ST-M32U-M-G14	

Manually actuated directional control valves: hand lever valves

Hand lever valve
VHER-AH-...



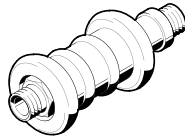
Hand lever valves
VHER-...



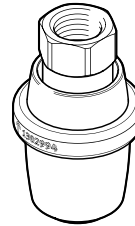
Part no.	Product type	Part no.	Alternative product type	Product comparison
538178	VHER-AH-M04C-G18-LD	3488204	VHER-H-B43C-G18	
538179	VHER-AH-M04C-G18-UD	3488205	VHER-H-B43C-B-G18	
538180	VHER-AH-M04C-G14-LD	3514710	VHER-H-B43C-G14	
538181	VHER-AH-M04C-G14-UD	3515202	VHER-H-B43C-B-G14	
538184	VHER-AH-M04E-G18-LD	3488206	VHER-H-B43E-G18	
538185	VHER-AH-M04E-G18-UD	3488207	VHER-H-B43E-B-G18	
538186	VHER-AH-M04E-G14-LD	3515082	VHER-H-B43E-G14	
538187	VHER-AH-M04E-G14-UD	3515258	VHER-H-B43E-B-G14	
538190	VHER-BH-M04C-M05-LD	3410679	VHER-P-H-B43C-M5	
538191	VHER-BH-M04C-M05-UD	3410680	VHER-P-H-B43C-B-M5	
538192	VHER-BH-M04C-G18-LD	3488208	VHER-P-H-B43C-G18	
538193	VHER-BH-M04C-G18-UD	3488209	VHER-P-H-B43C-B-G18	
538194	VHER-BH-M04C-G14-LD	3515361	VHER-P-H-B43C-G14	
538195	VHER-BH-M04C-G14-UD	3515601	VHER-P-H-B43C-B-G14	
538198	VHER-BH-M04E-M05-LD	3410681	VHER-P-H-B43E-M5	
538199	VHER-BH-M04E-M05-UD	3410682	VHER-P-H-B43E-B-M5	
538200	VHER-BH-M04E-G18-LD	3488210	VHER-P-H-B43E-G18	
538201	VHER-BH-M04E-G18-UD	3488211	VHER-P-H-B43E-B-G18	
538202	VHER-BH-M04E-G14-LD	3515542	VHER-P-H-B43E-G14	
538203	VHER-BH-M04E-G14-UD	3515640	VHER-P-H-B43E-B-G14	
545260	VHER-AH-M04C-N18-LD	3488212	VHER-H-B43C-N18	
545261	VHER-AH-M04C-N18-UD	3488213	VHER-H-B43C-B-N18	
545264	VHER-AH-M04C-N14-LD	3520365	VHER-H-B43C-N14	
545265	VHER-AH-M04C-N14-UD	3520389	VHER-H-B43C-B-N14	

Ball valves and shut-off valves

Hand slide valve
W-...



Hand slide valve
VBOH-...

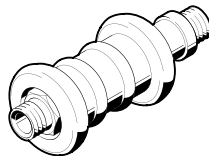


Difference:

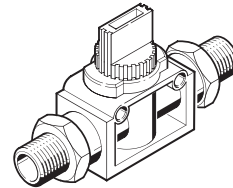
- Female thread non-overlapping

Part no.	Product type	Part no.	Alternative product type	Product comparison
4451	W-3-M5	1609969	VBOH-32-M5	
2339	W-3-1/8	1558073	VBOH-32-G18	
2341	W-3-3/8	1482679	VBOH-32-G38	
2340	W-3-1/4	1302994	VBOH-32-G14	
4052	W-3-3/4	1629664	VBOH-32-G34	
2342	W-3-1/2	1587988	VBOH-32-G12	

Hand slide valve
W-...



Shut-off valve
HE-...



Difference:

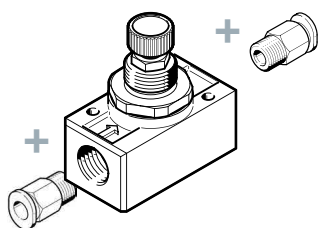
- Polymer housing

Part no.	Product type	Part no.	Alternative product type	Product comparison
2339	W-3-1/8	153296	HE-3-1/8-1/8	
2340	W-3-1/4	153297	HE-3-1/4-1/4	
2341	W-3-3/8	153298	HE-3-3/8-3/8	

One-way flow control valves

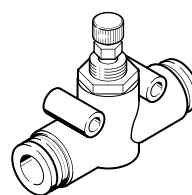
One-way flow control valve GR-... GRA-...

Accessories:
2 push-in fittings



One-way flow control valve GR-...

Difference:
– Polymer housing



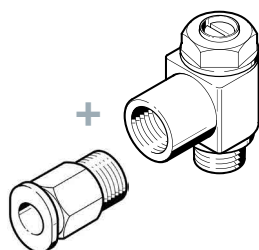
Note:

The savings include the
specified number of QS fittings

Part no.	Product type	Part no.	Alternative product type	Product comparison
15899	GR-M3	193965	GR-QS-3	
2x 153301	QSM-M3-3			
151213	GR-M5-B	193967	GR-QS-4	
2x 153304	QSM-M5-4			
151215	GR-1/8-B	193967	GR-QS-4	
2x 153001	QS-1/8-4			
6509	GRA-1/4-B	193969	GR-QS-6	
2x 153003	QS-1/4-6			
6308	GR-3/8-B	193970	GR-QS-8	
2x 153006	QS-3/8-8			

One-way flow control valve GRLA-...

Accessories:
1 push-in fitting



One-way flow control valve GRLA-...



Note:

The savings include the
specified number of QS fittings

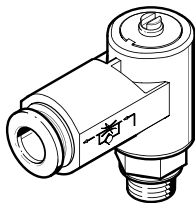
Part no.	Product type	Part no.	Alternative product type	Product comparison
175038	GRLA-M3	175041	GRLA-M3-QS-3	
153301	QSM-M3-3			
151160	GRLA-M5-B	193137	GRLA-M5-QS-3-D	
153302	QSM-M5-3			

One-way flow control valve
GRLA-...

One-way flow control valve
GRLA-...

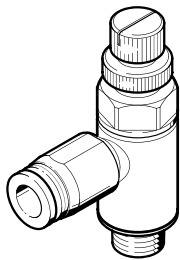
Part no.	Product type	Part no.	Alternative product type	Product comparison
151165	GRLA-1/8-B	193143	GRLA-1/8-QS-4-D	
153001	QS-1/8-4			
151172	GRLA-1/4-B	193146	GRLA-1/4-QS-6-D	
153003	QS-1/4-6			
151179	GRLA-1/2-B	193152	GRLA-1/2-QS-12-D	
153010	QS-1/2-12			
151163	GRLA-M5-RS-B	197576	GRLA-M5-QS-3-RS-D	
153302	QSM-M5-3			
151163	GRLA-M5-RS-B	197577	GRLA-M5-QS-4-RS-D	
153304	QSM-M5-4			
151163	GRLA-M5-RS-B	197578	GRLA-M5-QS-6-RS-D	
153306	QSM-M5-6			
151169	GRLA-1/8-RS-B	197580	GRLA-1/8-QS-4-RS-D	
153001	QS-1/8-4			
151169	GRLA-1/8-RS-B	197581	GRLA-1/8-QS-6-RS-D	
153002	QS-1/8-6			
151169	GRLA-1/8-RS-B	534337	GRLA-1/8-QS-8-RS-D	
153004	QS-1/8-8			
151175	GRLA-1/4-RS-B	534338	GRLA-1/4-QS-6-RS-D	
153003	QS-1/4-6			
151175	GRLA-1/4-RS-B	534339	GRLA-1/4-QS-8-RS-D	
153005	QS-1/4-8			
151175	GRLA-1/4-RS-B	534340	GRLA-1/4-QS-10-RS-D	
153007	QS-1/4-10			

One-way flow control valve
GRLA-...-RS-B



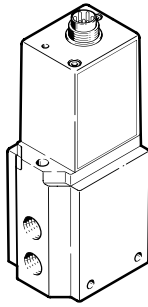
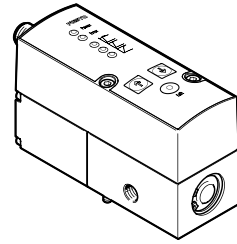
One-way flow control valve
GRLA-...-RS-D

- Difference:
- Metal housing
 - Low flow



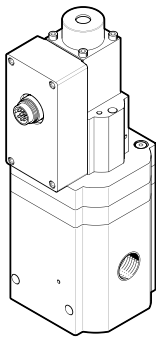
Part no.	Product type	Part no.	Alternative product type	Product comparison
162965	GRLA-1/8-QS-6-RS-B	197581	GRLA-1/8-QS-6-RS-D	
162966	GRLA-1/8-QS-8-RS-B	534337	GRLA-1/8-QS-8-RS-D	
162967	GRLA-1/4-QS-6-RS-B	534338	GRLA-1/4-QS-6-RS-D	
162968	GRLA-1/4-QS-8-RS-B	534339	GRLA-1/4-QS-8-RS-D	
162969	GRLA-3/8-QS-6-RS-B	534341	GRLA-3/8-QS-6-RS-D	
162970	GRLA-3/8-QS-8-RS-B	534342	GRLA-3/8-QS-8-RS-D	

Proportional valves

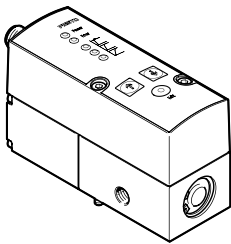
Proportional pressure regulator
MPPE-...Proportional pressure regulator
VPPM-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
161160	MPPE-3-1/8-1-010-B	542227	VPPM-6L-L-1-G18-0L2H-V1N-S1	
161161	MPPE-3-1/8-6-010-B	542228	VPPM-6L-L-1-G18-0L6H-V1N-S1	
161161	MPPE-3-1/8-6-010-B	554039	VPPM-6L-L-1-G18-0L6H-V1P-S1	
161162	MPPE-3-1/8-10-010-B	542229	VPPM-6L-L-1-G18-0L10H-V1N-S1	
161162	MPPE-3-1/8-10-010-B	554040	VPPM-6L-L-1-G18-0L10H-V1P-S1	
161163	MPPE-3-1/8-1-420-B	542230	VPPM-6L-L-1-G18-0L2H-A4N-S1	
161164	MPPE-3-1/8-6-420-B	542231	VPPM-6L-L-1-G18-0L6H-A4N-S1	
161164	MPPE-3-1/8-6-420-B	554041	VPPM-6L-L-1-G18-0L6H-A4P-S1	
161165	MPPE-3-1/8-10-420-B	542232	VPPM-6L-L-1-G18-0L10H-A4N-S1	
161165	MPPE-3-1/8-10-420-B	554042	VPPM-6L-L-1-G18-0L10H-A4P-S1	
161167	MPPE-3-1/4-6-010-B	571294	VPPM-8L-L-1-G14-0L6H-V1N-S1	
161167	MPPE-3-1/4-6-010-B	571297	VPPM-8L-L-1-G14-0L6H-V1P-S1	
161168	MPPE-3-1/4-10-010-B	571291	VPPM-8L-L-1-G14-0L6H-V1P-S1	
161168	MPPE-3-1/4-10-010-B	571292	VPPM-8L-L-1-G14-0L10H-V1P-S1	
161170	MPPE-3-1/4-6-420-B	571300	VPPM-8L-L-1-G14-0L6H-A4P-S1	
161170	MPPE-3-1/4-6-420-B	571302	VPPM-8L-L-1-G14-0L6H-A4N-S1	
161171	MPPE-3-1/4-10-420-B	571288	VPPM-8L-L-1-G14-0L10H-A4N-S1	
161171	MPPE-3-1/4-10-420-B	571289	VPPM-8L-L-1-G14-0L10H-A4P-S1	
161173	MPPE-3-1/2-6-010-B	575238	VPPM-12L-L-1-G12-0L6H-V1N-S1	
161173	MPPE-3-1/2-6-010-B	575240	VPPM-12L-L-1-G12-0L6H-V1P-S1	
161174	MPPE-3-1/2-10-010-B	575235	VPPM-12L-L-1-G12-0L10H-V1N-S1	
161174	MPPE-3-1/2-10-010-B	575236	VPPM-12L-L-1-G12-0L10H-V1P-S1	
161176	MPPE-3-1/2-6-420-B	575242	VPPM-12L-L-1-G12-0L6H-A4P-S1	
161176	MPPE-3-1/2-6-420-B	575244	VPPM-12L-L-1-G12-0L6H-A4N-S1	
161177	MPPE-3-1/2-10-420-B	575232	VPPM-12L-L-1-G12-0L10H-A4N-S1	
161177	MPPE-3-1/2-10-420-B	575233	VPPM-12L-L-1-G12-0L10H-A4P-S1	
164315	MPPE-3-1/8-2.5-010-B	542227	VPPM-6L-L-1-G18-0L2H-V1N-S1	
164316	MPPE-3-1/8-2.5-420-B	542230	VPPM-6L-L-1-G18-0L2H-A4N-S1	

Proportional pressure regulator
MPPES-...



Proportional pressure regulator
VPPM-...



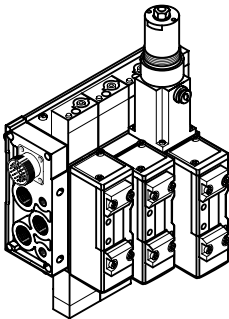
Part no.	Product type	Part no.	Alternative product type	Product comparison
187333	MPPES-3-1/4-10-010	571291	VPPM-8L-L-1-G14-0L10H-V1N-S1	
187348	MPPES-3-1/8-10-010	554040	VPPM-6L-L-1-G18-0L10H-V1P-S1	
187349	MPPES-3-1/8-10-420	554042	VPPM-6L-L-1-G18-0L10H-A4P-S1	
187352	MPPES-3-1/8-6-010	554039	VPPM-6L-L-1-G18-0L6H-V1P-S1	
187353	MPPES-3-1/8-6-420	554041	VPPM-6L-L-1-G18-0L6H-A4P-S1	

Valve terminals

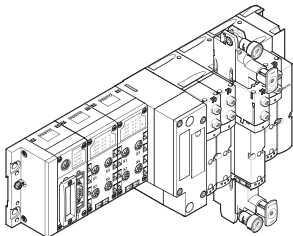
ISO valve terminals

Configurable

Valve terminal
VIFB-04-D-2-B



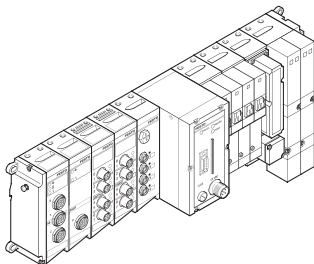
Valve terminal
VTSA-FB



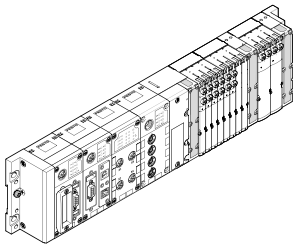
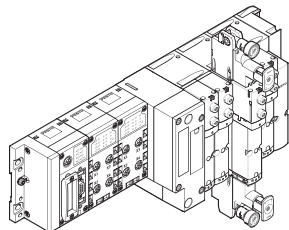
Part no.	Product type	Part no.	Alternative product type	Product comparison
18924	04P-2-12-QYZ:Y,Y,Y,Y,Y,Y,Y,Y,Y,Y, 04E-3E-F13+NW	539217	50E-F13GEQSEXEXEX-S+I 44P-R-V-12G-12M	

Universal valve terminals

Valve terminal
VIFB-03-B

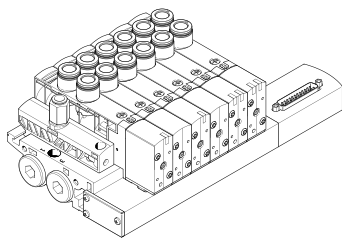


Valve terminals
VTSA-FB
MPA2
MPA1



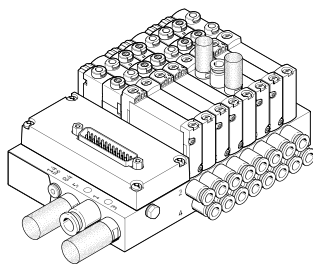
Part no.	Product type	Part no.	Alternative product type	Product comparison
18980	03E-3E-F13+IV 03P-12M+R	539217	50E-F13GEQSEXEXEX-S+I 44P-R-V-SM-6E-12M	
18980	03E-3E-F13+IV 03P-12M+R	530411	50E-F13GESEXEXEX-D+I 32P-SCD-R-M6B-12M	
18980	03E-3E-F13+IV 03P-12M+R	530411	50E-F13GESEXEXEX-D+I 32P-SCD-R-M3A-12M	

Valve terminal
VTUB



Valve terminals
VTUG, VTUS

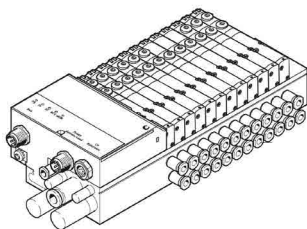
Differentiation
– Configurable



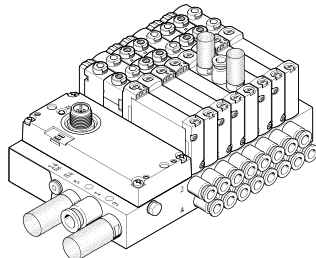
Part no.	Product type	Part no.	Alternative product type	Product comparison
537662	VTUB-MSD-S1D-Q10L-U1L-P8T-B-KMJJJK	573606	VTUG-18-MSD-S1T-25V20-Q10L-UL-Q6S-KA-JJJK	

Configurable

Valve terminal
CPA-SC



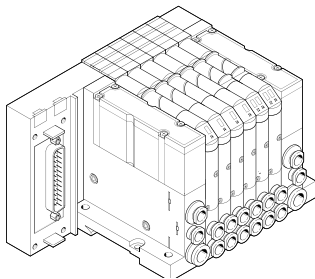
Valve terminals
VTUG-10-...



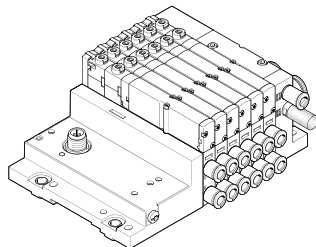
Part no.	Product type	Part no.	Alternative product type	Product comparison
538509	82P-10-1MS-AB-N-XBD-3J12ML	573606	VTUG-10-MSDR-S8-B1T-25V20-Q8LA-UL-M5S-3J12PL	

Configurable

Valve terminal
CPA-10

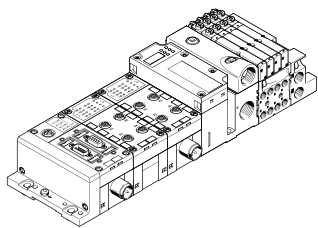


Valve terminals
MPA-L



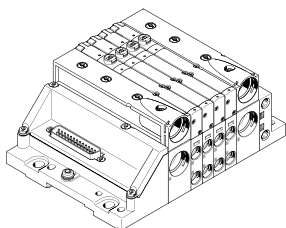
Part no.	Product type	Part no.	Alternative product type	Product comparison
173520	12P-10-MP-AR-W-11K+SH	569926	34P-MS6-U11A-11K+HCC	

Valve terminal
MPA-F



Valve terminals
MPA-L

- Difference:
- True clean design

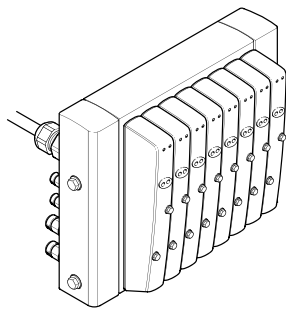


Part no.	Product type	Part no.	Alternative product type	Product comparison
544397	MPA-F	569926	34P-CX 50E-F13GCQS-L	

Application-specific valve terminals

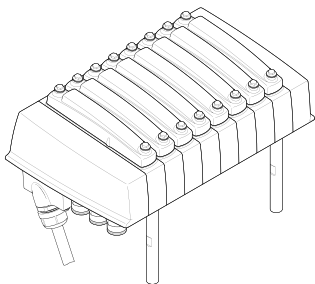
Valve terminal
CDVI5

- Clean design



Valve terminals
MPA-C

- Clean design
- IP69K



Part no.	Product type	Part no.	Alternative product type	Product comparison
197648	15P-K10-8B-UR-MM3KJJG-B	575465	35P-MS1-ZLDLE-FWBF6EWB-MM3KJJG	

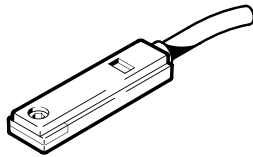
Sensors

Proximity sensors

Proximity sensor for T-slot

SME-8-...

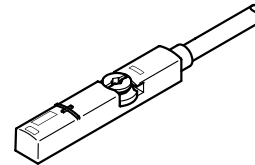
SMT-8-...



Proximity sensors for T-slot

SME-8M-...

SMT-8M-A-...



Difference:

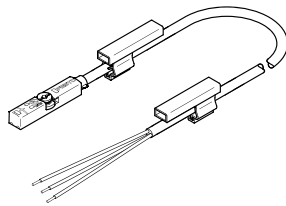
SMT-8M-A-...

– Improved design

Part no.	Product type	Part no.	Alternative product type	Product comparison
150855	SME-8-K-LED-24	543862	SME-8M-DS-24V-K-2,5-OE	
150857	SME-8-S-LED-24	543892	SME-8M	
175404	SME-8-K5-LED-24	543863	SME-8M-DS-24V-K-5,0-OE	
175436	SMT-8-PS-K-LED-24-B	574335	SMT-8M-A-PS-24V-E-2,5-OE	
175484	SMT-8-PS-S-LED-24-B	574334	SMT-8M-A-PS-24V-E-0,3-M8D	

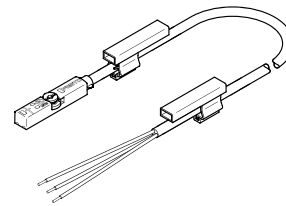
Proximity sensor for T-slot

SMT-8M-...



Proximity sensors for T-slot

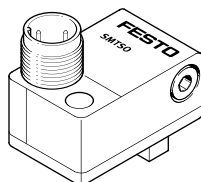
SMT-8M-A-...



Part no.	Product type	Part no.	Alternative product type	Product comparison
543866	SMT-8M-PS-24V-K-0,3-M8D	574334	SMT-8M-A-PS-24V-E-0,3-M8D	
543867	SMT-8M-PS-24V-K-2,5-OE	574335	SMT-8M-A-PS-24V-E-2,5-OE	
543868	SMT-8M-PS-24V-K-5,0-OE	574336	SMT-8M-A-PS-24V-E-5,0-OE	
543869	SMT-8M-PS-24V-K-0,3-M12	574337	SMT-8M-A-PS-24V-E-0,3-M12	
543870	SMT-8M-NS-24V-K-2,5-OE	574338	SMT-8M-A-NS-24V-E-2,5-OE	
543871	SMT-8M-NS-24V-K-0,3-M8D	574339	SMT-8M-A-NS-24V-E-0,3-M8D	
543873	SMT-8M-PO-24V-K-7,5-OE	574340	SMT-8M-A-PO-24V-E-7,5-OE	
543874	SMT-8M-ZS-24V-K-5,0-OE-EX2	574341	SMT-8M-A-ZS-24V-E-5,0-OE-EX2	

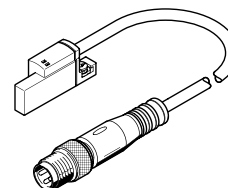
Proximity sensor

SMTSO-...



Proximity sensors for T-slot

SDBT-...



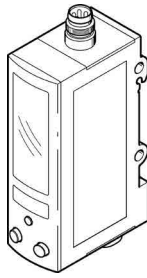
Difference:

– 0.3 m cable with plug

Part no.	Product type	Part no.	Alternative product type	Product comparison
175825	SMTSO-8E-NS-M12-LED-24	2427615	SDBT-BSW-1L-NU-W-0,3-N-M12	
191986	SMTSO-8E-PS-M12-LED-24	2476855	SDBT-BSW-1L-PU-W-0,3-N-M12	

Pressure and vacuum sensors

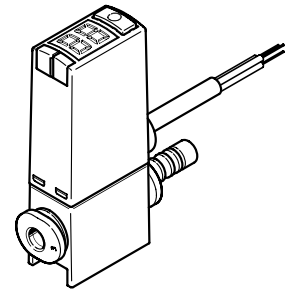
Pressure sensor
SDE3-...



Pressure sensor
SPAЕ-...

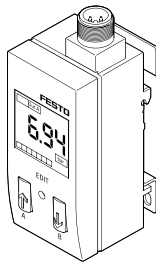
Difference:

- 1 switching output only
- IP40 only
- IO-Link® integrated



Part no.	Product type	Part no.	Alternative product type	Product comparison
540207	SDE3-D10S-B-HQ4-2P-M8	8001448	SPAЕ-P10R-Q4-PNLK-2.5K	
540193	SDE3-V1S-B-HQ4-2P-M8	8001443	SPAЕ-V1R-Q4-PNLK-2.5K	

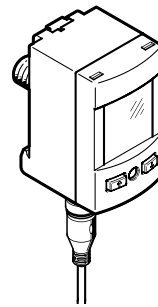
Pressure sensor
SDE1-...



Pressure sensor
SPAU-...

Difference:

- IO-Link® integrated



Part no.	Product type	Part no.	Alternative product type	Product comparison
537022	SDE1-V1-G2-W18-L-PI-M8	8001235	SPAU-V1R-W-G18FD-L-PNLK-PNVBA-M8U	
537023	SDE1-V1-G2-W18-L-PI-M12	8001234	SPAU-V1R-W-G18FD-L-PNLK-PNVBA-M12U	
530900	SDE1-D10-G2-W18-L-PU-M8	8001231	SPAU-P10R-W-G18FD-L-PNLK-PNVBA-M8U	
537020	SDE1-D10-G2-W18-L-PI-M8	8001231	SPAU-P10R-W-G18FD-L-PNLK-PNVBA-M8U	
537021	SDE1-D10-G2-W18-L-PI-M12	8001230	SPAU-P10R-W-G18FD-L-PNLK-PNVBA-M12U	

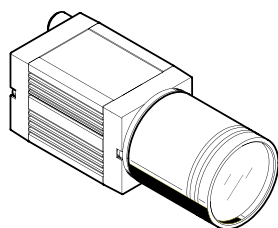
Image processing systems

Position and quality inspection

Compact vision system

SBOC-...

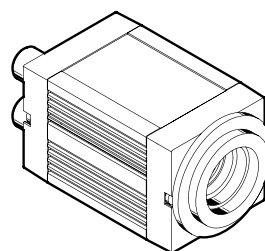
SBOI-...



Compact vision system

SBOC-...

SBOI-...

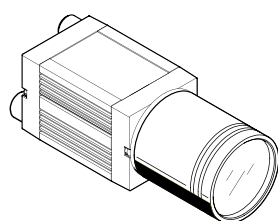


Part no.	Product type	Part no.	Alternative product type	Product comparison
541399	SBOC-Q-R1B	555841	SBOC-Q-R3B-WB	
551021	SBOC-Q-R2B	555841	SBOC-Q-R3B-WB	
548317	SBOC-Q-R1C	555842	SBOC-Q-R3C-WB	
551022	SBOC-Q-R2C	555842	SBOC-Q-R3C-WB	
541396	SBOI-Q-R1B	555839	SBOI-Q-R3B-WB	
548316	SBOI-Q-R1C	555840	SBOI-Q-R3C-WB	
569774	SBOC-Q-R1C-S1	569778	SBOC-Q-R3C-WB-S1	
569776	SBOI-Q-R1C-S1	569780	SBOI-Q-R3C-WB-S1	

Compact vision system

SBOC-...

SBOI-...

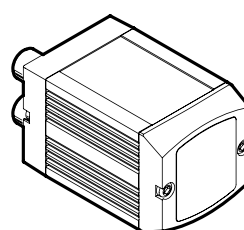


Compact vision system

SBOC-...

SBRC-...

SBOI-...



Difference:

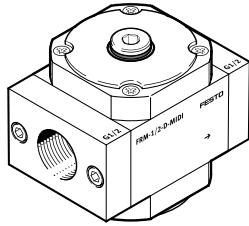
Identical function but not 1:1 interchangeable

Part no.	Product type	Part no.	Alternative product type	Product comparison
541397	SBOC-C-R1B	552077	SBOC-C-R3B-WB	
546947	SBOC-C-R2B	8034587	SBRC-Q-CS	
546948	SBOC-C-R2C	8034587	SBRC-Q-CS	
541399	SBOC-Q-R1B	8034587	SBRC-Q-CS	
569771	SBOC-Q-R1B-S1	8034587	SBRC-Q-CS	
551021	SBOC-Q-R2B	8034587	SBRC-Q-CS	
569772	SBOC-Q-R2B-S1	8034587	SBRC-Q-CS	
551022	SBOC-Q-R2C	8034587	SBRC-Q-CS	
541394	SBOI-C-R1B	552075	SBOI-C-R3B-WB	
541396	SBOI-Q-R1B	8034587	SBRC-Q-CS	
569773	SBOI-Q-R1B-S1	8034587	SBRC-Q-CS	

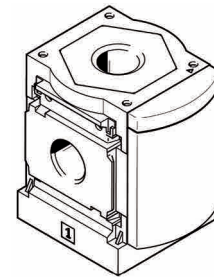
Compressed air preparation

Service units

Branching module FRM-...



Branching module MS-FRM-...

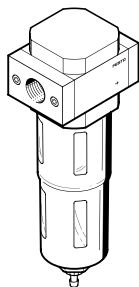


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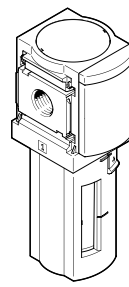
- Grid dimension,
pneumatic connection
and flow rate

Part no.	Product type	Part no.	Alternative product type	Product comparison
162789	FRM-H-1/4-D-MINI	536966	MS4-FRM-1/4-I	
162792	FRM-H-1/2-D-MIDI	536969	MS6-FRM-1/2-I	
164949	FRM-1/8-D-MINI	529559	MS4-FRM-1/8	
164950	FRM-1/4-D-MINI	529555	MS4-FRM-1/4	
164953	FRM-1/2-D-MIDI	529853	MS6-FRM-1/2	
170684	FRM-D-MINI	529555	MS4-FRM-1/4	
170685	FRM-D-MIDI	529853	MS6-FRM-1/2	
170686	FRM-D-MAXI	529853	MS6-FRM-1/2	
170687	FRM-H-D-MINI	536966	MS4-FRM-1/4-I	
170688	FRM-H-D-MIDI	536969	MS6-FRM-1/2-I	
170689	FRM-H-D-MAXI	536969	MS6-FRM-1/2-I	
186523	FRM-1/4-D-MIDI	529857	MS6-FRM-1/4	
186524	FRM-1/2-D-MAXI	529853	MS6-FRM-1/2	
186525	FRM-H-1/4-D-MIDI	536967	MS6-FRM-1/4-I	
186526	FRM-H-1/2-D-MAXI	536969	MS6-FRM-1/2-I	
542184	FRM-Y-D-MINI	529556	MS4-FRM-1/4-Y	
542185	FRM-Y-D-MIDI	529854	MS6-FRM-1/2-Y	
542186	FRM-Y-D-MAXI	529854	MS6-FRM-1/2-Y	

Activated carbon filters LFX-...

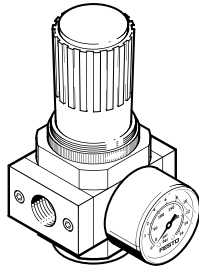


Activated carbon filters MS6-LFX-...

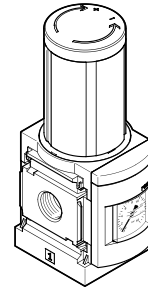


Part no.	Product type	Part no.	Alternative product type	Product comparison
532777	LFX-D-MIDI	529679	MS6-LFX-1/2-R	
532781	LFX-1/4-D-MIDI	529683	MS6-LFX-1/4-R	
532783	LFX-1/2-D-MIDI	529679	MS6-LFX-1/2-R	

Pressure regulator
LR-...

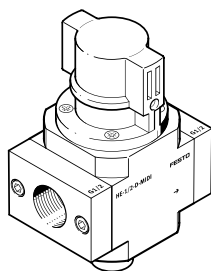


Pressure regulator
MS6-LR-...

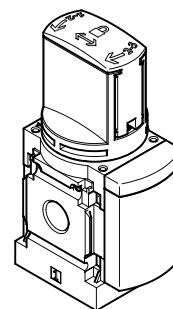


Part no.	Product type	Part no.	Alternative product type	Product comparison
159581	LR-1/2-D-MIDI	529993	MS6-LR-1/2-D7-AS	
162582	LR-1/8-D-7-MINI	529423	MS4-LR-1/8-D6-AS	
162583	LR-1/4-D-7-MINI	529417	MS4-LR-1/4-D6-AS	
162586	LR-1/2-D-7-MIDI	529991	MS6-LR-1/2-D6-AS	
186451	LR-1/4-D-MIDI	529999	MS6-LR-1/4-D7-AS	
186453	LR-1/4-D-7-MIDI	529997	MS6-LR-1/4-D6-AS	
192298	LR-1/8-D-I-MINI	529425	MS4-LR-1/8-D7-AS	
192299	LR-1/8-D-7-I-MINI	529423	MS4-LR-1/8-D6-AS	
192300	LR-1/4-D-I-MINI	529419	MS4-LR-1/4-D7-AS	
192301	LR-1/4-D-7-I-MINI	529417	MS4-LR-1/4-D6-AS	
192310	LR-1/4-D-I-MIDI	529999	MS6-LR-1/4-D7-AS	
192311	LR-1/4-D-7-I-MIDI	529997	MS6-LR-1/4-D6-AS	
192314	LR-1/2-D-I-MIDI	529993	MS6-LR-1/2-D7-AS	
192315	LR-1/2-D-7-I-MIDI	529991	MS6-LR-1/2-D6-AS	
192356	LR-1/2-D-DI-MAXI	529993	MS6-LR-1/2-D7-AS	
192358	LR-1/2-D-7-DI-MAXI	529991	MS6-LR-1/2-D6-AS	

On-off valve
HE-...

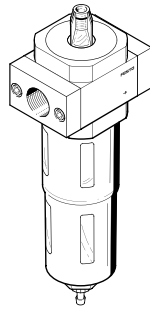


On-off valve
MS.-EM-...

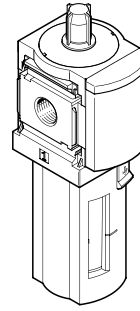


Part no.	Product type	Part no.	Alternative product type	Product comparison
162806	HE-1/8-D-MINI	541262	MS4-EM1-1/8	
162807	HE-1/4-D-MINI	541258	MS4-EM1-1/4	
162810	HE-1/2-D-MIDI	541267	MS6-EM1-1/2	
170681	HE-D-MINI	541258	MS4-EM1-1/4	
170682	HE-D-MIDI	541267	MS6-EM1-1/2	
170683	HE-D-MAXI	541267	MS6-EM1-1/2	
186513	HE-1/4-D-MIDI	541271	MS6-EM1-1/4	
186514	HE-1/2-D-MAXI	541267	MS6-EM1-1/2	

Fine filter
LFMB-...

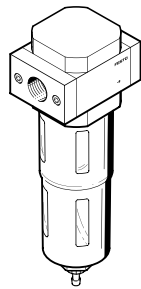


Fine filter
MS6-LFM-...

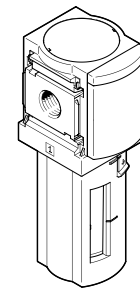


Part no.	Product type	Part no.	Alternative product type	Product comparison
162630	LFMB-1/2-D-MIDI	529659	MS6-LFM-1/2-BRM	
186467	LFMB-1/4-D-MIDI	529667	MS6-LFM-1/4-BRM	
192570	LFMB-D-MIDI	529659	MS6-LFM-1/2-BRM	
532815	LFMB-D-MIDI-DA-A	536841	MS6-LFM-1/2-BRV-DA	
532820	LFMB-1/4-D-MIDI-DA	536833	MS6-LFM-1/4-BRM-DA	
532822	LFMB-1/2-D-MIDI-DA	536835	MS6-LFM-1/2-BRM-DA	
532832	LFMB-1/2-D-MIDI-DA-A	536841	MS6-LFM-1/2-BRV-DA	
532834	LFMB-1/2-D-MAXI-DA-A	536841	MS6-LFM-1/2-BRV-DA	

Micro filter
LFMA-...

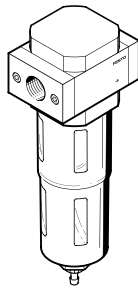


Micro filter
MS6-LFM-...

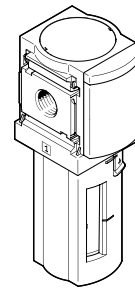


Part no.	Product type	Part no.	Alternative product type	Product comparison
162646	LFMA-1/2-D-MIDI	529655	MS6-LFM-1/2-ARM	
186469	LFMA-1/4-D-MIDI	529663	MS6-LFM-1/4-ARM	
192564	LFMA-D-MIDI	529655	MS6-LFM-1/2-ARM	
532841	LFMA-D-MIDI-DA-A	536877	MS6-LFM-1/2-ARV-DA	
532846	LFMA-1/4-D-MIDI-DA	536869	MS6-LFM-1/4-ARM-DA	
532848	LFMA-1/2-D-MIDI-DA	536871	MS6-LFM-1/2-ARM-DA	
532858	LFMA-1/2-D-MIDI-DA-A	536877	MS6-LFM-1/2-ARV-DA	
532860	LFMA-1/2-D-MAXI-DA-A	536877	MS6-LFM-1/2-ARV-DA	

Filter
LF-...

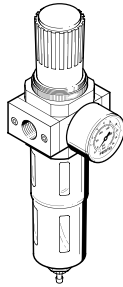


Filter
MS6-LF-...

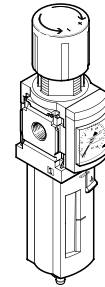


Part no.	Product type	Part no.	Alternative product type	Product comparison
159578	LF-1/2-D-MIDI	529615	MS6-LF-1/2-ERM	
159579	LF-1/2-D-MIDI-A	529617	MS6-LF-1/2-ERV	
159617	LF-1/4-D-MINI-A	529401	MS4-LF-1/4-ERV	
162610	LF-1/8-D-5M-MINI	529403	MS4-LF-1/8-CRM	
162611	LF-1/4-D-5M-MINI	529395	MS4-LF-1/4-CRM	
162612	LF-3/8-D-5M-MINI	529395	MS4-LF-1/4-CRM	
162613	LF-3/8-D-5M-MIDI	529639	MS6-LF-3/8-CRM	
162614	LF-1/2-D-5M-MIDI	529607	MS6-LF-1/2-CRM	
162618	LF-1/8-D-5M-MINI-A	529405	MS4-LF-1/8-CRV	
162619	LF-1/4-D-5M-MINI-A	529397	MS4-LF-1/4-CRV	
162622	LF-1/2-D-5M-MIDI-A	529609	MS6-LF-1/2-CRV	
186459	LF-1/4-D-MIDI	529631	MS6-LF-1/4-ERM	
186460	LF-1/4-D-5M-MIDI	529623	MS6-LF-1/4-CRM	
186461	LF-1/4-D-MIDI-A	529625	MS6-LF-1/4-ERV	
186462	LF-1/4-D-5M-MIDI-A	529625	MS6-LF-1/4-CRV	
186463	LF-1/2-D-MAXI	529615	MS6-LF-1/2-ERM	
192554	LF-D-MINI-A	529401	MS4-LF-1/4-ERV	
192555	LF-D-MIDI-A	529617	MS6-LF-1/2-ERV	
192557	LF-D-5M-MINI	529395	MS4-LF-1/4-CRM	
192558	LF-D-5M-MIDI	529607	MS6-LF-1/2-CRM	
192560	LF-D-5M-MINI-A	529397	MS4-LF-1/4-CRV	
192561	LF-D-5M-MIDI-A	529609	MS6-LF-1/2-CRV	

Filter regulator
LFR-...

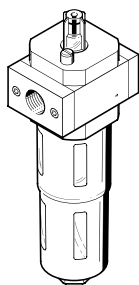


Filter regulator
MS.-LFR-...

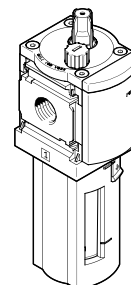


Part no.	Product type	Part no.	Alternative product type	Product comparison
159584	LFR-1/2-D-MIDI	529188	MS6-LFR-1/2-D7-ERM-AS	
159585	LFR-1/2-D-MIDI-A	529190	MS6-LFR-1/2-D7-ERV-AS	
159630	LFR-1/8-D-MINI	529172	MS4-LFR-1/8-D7-ERM-AS	
159631	LFR-1/4-D-MINI	529156	MS4-LFR-1/4-D7-ERM-AS	
159634	LFR-1/8-D-MINI-A	529174	MS4-LFR-1/8-D7-ERV-AS	
159635	LFR-1/4-D-MINI-A	529158	MS4-LFR-1/4-D7-ERV-AS	
162702	LFR-1/8-D-7-MINI	529164	MS4-LFR-1/8-D6-ERM-AS	
162703	LFR-1/4-D-7-MINI	529148	MS4-LFR-1/4-D6-ERM-AS	
162706	LFR-1/2-D-7-MIDI	529180	MS6-LFR-1/2-D6-ERM-AS	
162710	LFR-1/8-D-7-MINI-A	529166	MS4-LFR-1/8-D6-ERV-AS	
162711	LFR-1/4-D-7-MINI-A	529150	MS4-LFR-1/4-D6-ERV-AS	
162718	LFR-1/8-D-5M-MINI	529168	MS4-LFR-1/8-D7-CRM-AS	
162719	LFR-1/4-D-5M-MINI	529152	MS4-LFR-1/4-D7-CRM-AS	
162722	LFR-1/2-D-5M-MINI	529184	MS6-LFR-1/2-D7-CRM-AS	
162726	LFR-1/8-D-5M-MINI-A	529170	MS4-LFR-1/8-D7-CRV-AS	
162727	LFR-1/4-D-5M-MINI-A	529154	MS4-LFR-1/4-D7-CRV-AS	
186481	LFR-1/4-D-MIDI	529208	MS6-LFR-1/4-D7-ERM-AS	
186483	LFR-1/4-D-5M-MINI	529204	MS6-LFR-1/4-D7-CRM-AS	
186484	LFR-1/4-D-MIDI-A	529210	MS6-LFR-1/4-D7-ERV-AS	
186487	LFR-1/4-D-7-MIDI	529200	MS6-LFR-1/4-D6-ERM-AS	

Lubricator
LOE-...

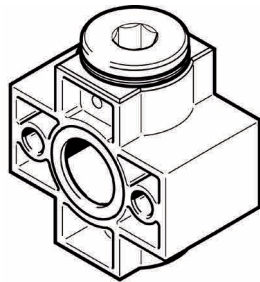


Lubricator
MS6-LOE-...

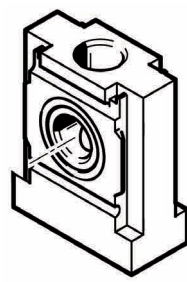


Part no.	Product type	Part no.	Alternative product type	Product comparison
159586	LOE-3/8-D-MIDI	529783	MS6-LOE-3/8-R	
159587	LOE-1/2-D-MIDI	529775	MS6-LOE-1/2-R	
186479	LOE-1/4-D-MIDI	529779	MS6-LOE-1/4-R	
186480	LOE-1/2-D-MAXI	529775	MS6-LOE-1/2-R	

Distributor block
FRZ-D-...



Distributor block
MS.-FRM-FRZ

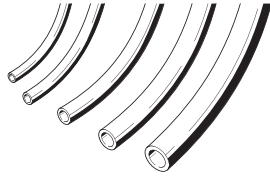


Part no.	Product type	Part no.	Alternative product type	Product comparison
159592	FRZ-D-MIDI	549337	MS6-FRM-FRZ	
162786	FRZ-D-MINI	549336	MS4-FRM-FRZ	
162787	FRZ-D-MAXI	549337	MS6-FRM-FRZ	

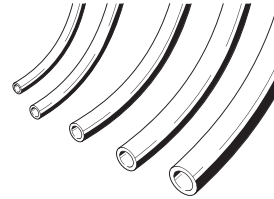
Pneumatic connection technology

Standard O.D. tubing

Plastic tubing,
with standard O.D.
PAN-...



Plastic tubing,
with standard O.D.
PUN-H-...



Difference:

- Limited pressure/
temperature range
- Greater flexibility
- Lower chemical resistance
- Approved for the food
industry

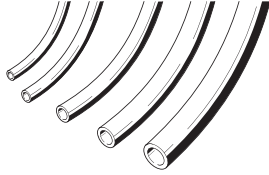
Part no.	Product type	Part no.	Alternative product type	Product comparison
553906	PAN-4X0,75-BL	197383	PUN-H-4x0,75-BL	
553894	PAN-4X0,75-BL-500	558257	PUN-H-4X0,75-BL-500	
553930	PAN-4X0,75-GE	558299	PUN-H-4X0,75-GE	
553918	PAN-4X0,75-GN	558292	PUN-H-4X0,75-GN	
546284	PAN-4X0,75-NT	197376	PUN-H-4x0,75-NT	
553924	PAN-4X0,75-RT	558285	PUN-H-4X0,75-RT	
152697	PAN-4x0,75-SI	558278	PUN-H-4X0,75-SI	
553888	PAN-4X0,75-SI-500	558271	PUN-H-4X0,75-SI-500	
553912	PAN-4X0,75-SW	197390	PUN-H-4x0,75-SW	
553900	PAN-4X0,75-SW-500	558250	PUN-H-4X0,75-SW-500	
553907	PAN-6X1-BL	197384	PUN-H-6x1-BL	
553895	PAN-6X1-BL-500	558258	PUN-H-6X1-BL-500	
553931	PAN-6X1-GE	558300	PUN-H-6X1-GE	
553919	PAN-6X1-GN	558293	PUN-H-6X1-GN	
546285	PAN-6X1-NT	197377	PUN-H-6x1-NT	
553925	PAN-6X1-RT	558286	PUN-H-6X1-RT	
152699	PAN-6x1-SI	558279	PUN-H-6X1-SI	
553889	PAN-6X1-SI-500	558272	PUN-H-6X1-SI-500	
553913	PAN-6X1-SW	197391	PUN-H-6x1-SW	
553901	PAN-6X1-SW-500	558251	PUN-H-6X1-SW-500	
553908	PAN-8X1,25-BL	197385	PUN-H-8x1,25-BL	
553896	PAN-8X1,25-BL-400	558259	PUN-H-8X1,25-BL-400	
553932	PAN-8X1,25-GE	558301	PUN-H-8X1,25-GE	
553920	PAN-8X1,25-GN	558294	PUN-H-8X1,25-GN	
546286	PAN-8X1,25-NT	197378	PUN-H-8x1,25-NT	
553926	PAN-8X1,25-RT	558287	PUN-H-8X1,25-RT	
152700	PAN-8x1,25-SI	558280	PUN-H-8X1,25-SI	
553890	PAN-8X1,25-SI-400	558273	PUN-H-8X1,25-SI-400	
553914	PAN-8X1,25-SW	197392	PUN-H-8x1,25-SW	
553902	PAN-8X1,25-SW-400	558252	PUN-H-8X1,25-SW-400	

Plastic tubing,
with standard O.D.
PAN-...

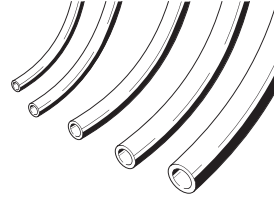
Plastic tubing,
with standard O.D.
PUN-H-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
553909	PAN-10X1,5-BL	197386	PUN-H-10x1.5-BL	
553897	PAN-10X1,5-BL-300	558260	PUN-H-10X1,5-BL-300	
553933	PAN-10X1,5-GE	558302	PUN-H-10X1,5-GE	
553921	PAN-10X1,5-GN	558295	PUN-H-10X1,5-GN	
546287	PAN-10X1,5-NT	197379	PUN-H-10x1.5-NT	
553927	PAN-10X1,5-RT	558288	PUN-H-10X1,5-RT	
152701	PAN-10x1,5-SI	558281	PUN-H-10X1,5-SI	
553891	PAN-10X1,5-SI-300	558274	PUN-H-10X1,5-SI-300	
553915	PAN-10X1,5-SW	197393	PUN-H-10x1.5-SW	
553903	PAN-10X1,5-SW-300	558253	PUN-H-10X1,5-SW-300	
553910	PAN-12X1,75-BL	197387	PUN-H-12x2-BL	
553898	PAN-12X1,75-BL-200	558261	PUN-H-12X2-BL-200	
553934	PAN-12X1,75-GE	558303	PUN-H-12X2-GE	
553922	PAN-12X1,75-GN	558296	PUN-H-12X2-GN	
546288	PAN-12X1,75-NT	197380	PUN-H-12x2-NT	
553928	PAN-12X1,75-RT	558289	PUN-H-12X2-RT	
152702	PAN-12x1,75-SI	558282	PUN-H-12X2-SI	
553892	PAN-12X1,75-SI-200	558275	PUN-H-12X2-SI-200	
553916	PAN-12X1,75-SW	197394	PUN-H-12x2-SW	
553904	PAN-12X1,75-SW-200	558254	PUN-H-12X2-SW-200	
570392	PAN-14x2-SI	570389	PUN-H-14X2-SI	
553911	PAN-16X2-BL	197388	PUN-H-16x2.5-BL	
553899	PAN-16X2-BL-100	558262	PUN-H-16X2,5-BL-100	
553935	PAN-16X2-GE	558304	PUN-H-16X2,5-GE	
553923	PAN-16X2-GN	558297	PUN-H-16X2,5-GN	
546289	PAN-16X2-NT	197381	PUN-H-16x2.5-NT	
553929	PAN-16X2-RT	558290	PUN-H-16X2,5-RT	
152703	PAN-16x2-SI	558283	PUN-H-16X2,5-SI	
553893	PAN-16X2-SI-100	558276	PUN-H-16X2,5-SI-100	
553917	PAN-16X2-SW	197395	PUN-H-16x2.5-SW	
553905	PAN-16X2-SW-100	558255	PUN-H-16X2,5-SW-100	

Plastic tubing,
with standard O.D.
PUN-...



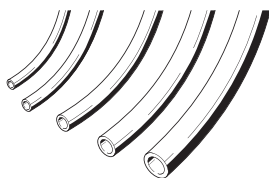
Plastic tubing,
with standard O.D.
PEN-...



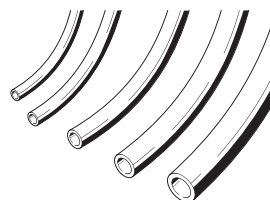
Difference:

- Limited pressure/
temperature range
- More sensitive to kinking
- Greater resistance to
chemicals

Part no.	Product type	Part no.	Alternative product type	Product comparison
159662	PUN-4X0,75-BL	551456	PEN-4X0,75-BL	
152584	PUN-4X0,75-SI	551462	PEN-4X0,75-SI	
159663	PUN-4X0,75-SW	543240	PEN-4X0,75-SW	
159664	PUN-6X1-BL	551457	PEN-6X1-BL	
152586	PUN-6X1-SI	551463	PEN-6X1-SI	
159665	PUN-6X1-SW	543241	PEN-6X1-SW	
159666	PUN-8X1.25-BL	551458	PEN-8X1.25-BL	
152587	PUN-8X1.25-SI	551464	PEN-8X1.25-SI	
159667	PUN-8X1.25-SW	543242	PEN-8X1.25-SW	
159668	PUN-10X1.5-BL	551459	PEN-10X1.5-BL	
152588	PUN-10X1.5-SI	551465	PEN-10X1.5-SI	
159669	PUN-10X1,5-SW	543243	PEN-10X1.5-SW	
159670	PUN-12X2-BL	551460	PEN-12X1.75-BL	
152589	PUN-12X2-SI	551466	PEN-12X1.75-SI	
159671	PUN-12X2-SW	543244	PEN-12X1.75-SW	
570391	PUN-14X2-SW	570516	PEN-14X2-SW	



Plastic tubing,
with standard O.D.
PUN-H-...

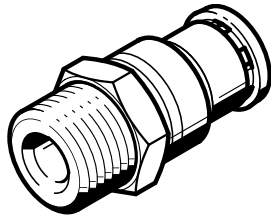


- Transparent colours

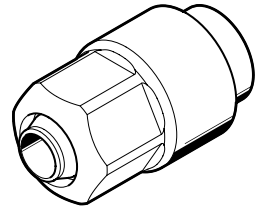
148

Push-in fittings

Push-in fitting
CRQS-...



Fitting
NPCK-...

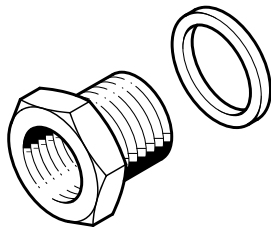


Difference:
– G-thread with
PEEK sealing ring

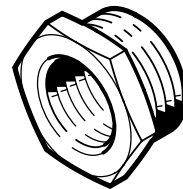
Part no.	Product type	Part no.	Alternative product type	Product comparison
162860	CRQS-M5-4	1857681	NPCK-C-D-M5-K4	
162862	CRQS-1/8-6	1366257	NPCK-C-D-G18-K6	
162863	CRQS-1/8-8	1490383	NPCK-C-D-G18-K8	
162864	CRQS-1/4-8	1691701	NPCK-C-D-G14-K8	
162865	CRQS-1/4-10	1489336	NPCK-C-D-G14-K10	
162866	CRQS-3/8-10	1489614	NPCK-C-D-G38-K10	
132328	CRQS-M5-4-I	1857681	NPCK-C-D-M5-K4	
132330	CRQS-1/8-6-I	1366257	NPCK-C-D-G18-K6	
132331	CRQS-1/8-8-I	1490383	NPCK-C-D-G18-K8	
132332	CRQS-1/4-8-I	1691701	NPCK-C-D-G14-K8	
132333	CRQS-1/4-10-I	1489336	NPCK-C-D-G14-K10	
132334	CRQS-3/8-10-I	1489614	NPCK-C-D-G38-K10	

Threaded fittings

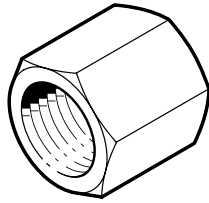
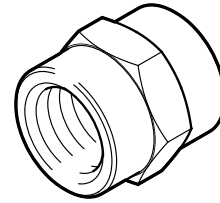
Reducing nipple
D-...



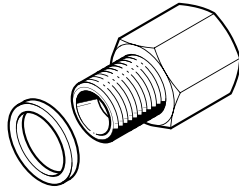
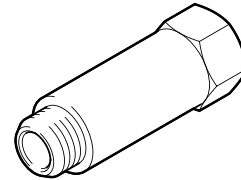
Reducing nipple
NPFC-R-...



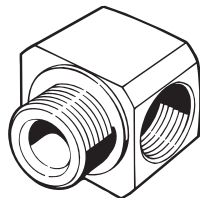
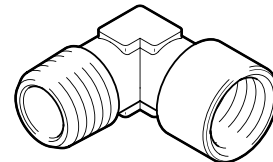
Part no.	Product type	Part no.	Alternative product type	Product comparison
3842	D-M5I-1/8A	8030307	NPFC-R-G18-M5-MF	
3577	D-1/8I-1/4A	8030308	NPFC-R-G14-G18-MF	
534147	D-1/8I-3/8A	8030309	NPFC-R-G38-G18-MF	
3581	D-1/4I-3/8A	8030310	NPFC-R-G38-G14-MF	
197633	D-1/4I-1/2A	8030311	NPFC-R-G12-G14-MF	
3585	D-3/8I-1/2A	8030312	NPFC-R-G12-G38-MF	
3588	D-1/2I-3/4A	8030313	NPFC-R-G34-G12-MF	

Sleeve
QM-...

Sleeve
NPFC-S-...


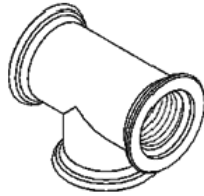
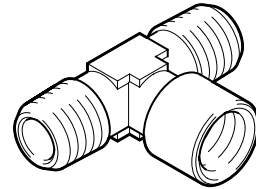
Part no.	Product type	Part no.	Alternative product type	Product comparison
3560	QM-M5-M5	8030290	NPFC-S-2M5-F	
2254	QM-1/8-1/8	8030291	NPFC-S-2G18-F	
2255	QM-1/4-1/4	8030292	NPFC-S-2G14-F	
2256	QM-3/8-3/8	8030293	NPFC-S-2G38-F	
2257	QM-1/2-1/2	8030294	NPFC-S-2G12-F	
4226	QM-3/4-3/4	8030295	NPFC-S-2G34-F	

Sleeve
QM-...

Extension
NPFC-E1-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
36170	QM-1/8-A/I	8030298	NPFC-E1-2G18-FM	
36171	QM-1/4-A/I	8030299	NPFC-E1-2G14-FM	
36172	QM-3/8-A/I	8030300	NPFC-E1-2G38-FM	
187387	QM-1/2-A/I	8030301	NPFC-E1-2G12-FM	

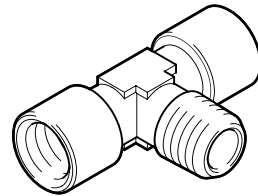
Elbow
G-...-A/I

Elbow fitting
NPFC-L-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
2092	G-1/2-I/I	8030212	NPFC-L-2G12-F	
2093	G-3/4-I/I	8030213	NPFC-L-2G34-F	
3558	G-M5-A/I	8030215	NPFC-L-2M5-MF	
3614	G-1/8-A/I	8030216	NPFC-L-R18-G18-MF	
3615	G-1/4-A/I	8030217	NPFC-L-R14-G14-MF	
3616	G-3/8-A/I	8030218	NPFC-L-R38-G38-MF	

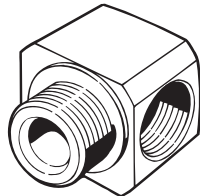
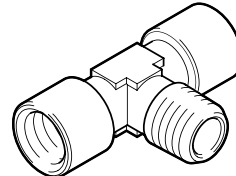
T-distributor
FR-...

T-fitting
NPFC-T-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
2075	FR-1/2-I/I	8030239	NPFC-T-3G34-F	
2076	FR-3/4-I/I	8030240	NPFC-T-3G1-F	

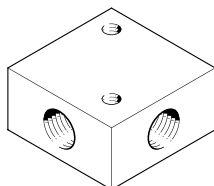
T-fitting
TJK-...

T-fitting
NPFC-T-...


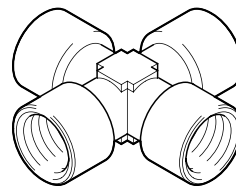
Part no.	Product type	Part no.	Alternative product type	Product comparison
4949	TJK-1/8	8030241	NPFC-T-R18-2G18-MFF	
4950	TJK-1/4	8030242	NPFC-T-R14-2G14-MFF	
4951	TJK-3/8	8030243	NPFC-T-R38-2G38-MFF	
4952	TJK-1/2	8030244	NPFC-T-R12-2G12-MFF	

Distributor
FR-...

T-fitting
NPFC-T-...


Part no.	Product type	Part no.	Alternative product type	Product comparison
3583	FR-1/8-A/I	8030241	NPFC-T-R18-2G18-MFF	
3586	FR-1/4-A/I	8030242	NPFC-T-R14-2G14-MFF	
3587	FR-3/8-A/I	8030243	NPFC-T-R38-2G38-MFF	

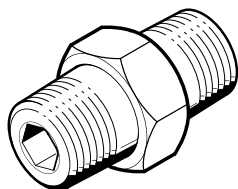
Distributor block
FR-...

X-fitting
NPFC-X-...

Difference:
– Not adjustable



Part no.	Product type	Part no.	Alternative product type	Product comparison
2960	FR-4-1/4	8030262	NPFC-X-4G14-F	

Double nipple
ESK-...



Double nipple
NPFC-D-...

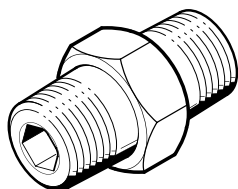


Difference:

- Single piece
- Not adjustable

Part no.	Product type	Part no.	Alternative product type	Product comparison
151520	ESK-1/8-1/8	8030278	NPFC-D-2R18-M	
151521	ESK-1/4-1/4	8030281	NPFC-D-2R14-M	
151522	ESK-3/8-3/8	8030284	NPFC-D-2R38-M	
151523	ESK-1/2-1/2	8030286	NPFC-D-2R12-M	

Double nipple
ESK-...



Double nipple
NPFC-D-...

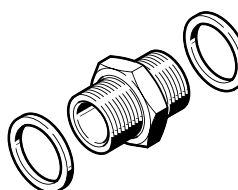


Difference:

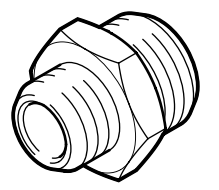
- Single piece
- Not adjustable

Part no.	Product type	Part no.	Alternative product type	Product comparison
534151	ESK-1/8-1/4	8030279	NPFC-D-R18-R14-M	
534155	ESK-1/8-3/8	8030280	NPFC-D-R18-R38-M	
534152	ESK-1/4-3/8	8030282	NPFC-D-R14-R38-M	
534153	ESK-1/4-1/2	8030283	NPFC-D-R14-R12-M	
534154	ESK-3/8-1/2	8030285	NPFC-D-R38-R12-M	

Double nipple
E-...



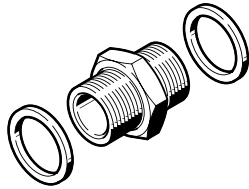
Double nipple
NPFC-D-...



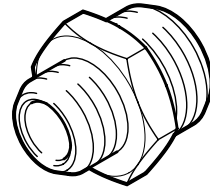
Difference:

- Without sealing rings

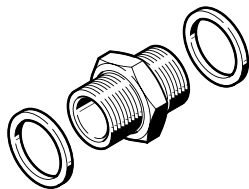
Part no.	Product type	Part no.	Alternative product type	Product comparison
15621	E-1/8-1/8-MS	8030269	NPFC-D-2G18-M	
15623	E-1/4-1/4-MS	8030272	NPFC-D-2G14-M	
15625	E-3/8-3/8-MS	8030275	NPFC-D-2G38-M	
15627	E-1/2-1/2-MS	8030277	NPFC-D-2G12-M	

**Double nipple
E-...-MS**

**Double nipple
NPFC-D-...**

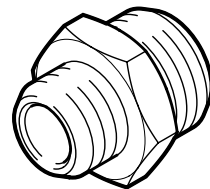
Difference:
– Without sealing rings



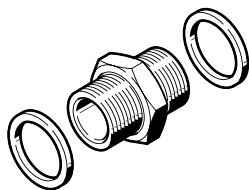
Part no.	Product type	Part no.	Alternative product type	Product comparison
534148	E-M7-1/8-MS	8030268	NPFC-D-M7-G18-M	
15622	E-1/8-1/4-MS	8030270	NPFC-D-G18-G14-M	
534150	E-1/8-3/8-MS	8030271	NPFC-D-G18-G38-M	
15624	E-1/4-3/8-MS	8030273	NPFC-D-G14-G38-M	
534149	E-1/4-1/2-MS	8030274	NPFC-D-G14-G12-M	
15626	E-3/8-1/2-MS	8030276	NPFC-D-G38-G12-M	

**Double nipple
E-...**

**Double nipple
NPFC-D-...**

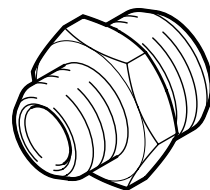
Difference:
– Without sealing rings



Part no.	Product type	Part no.	Alternative product type	Product comparison
3573	E-1/8-1/8	8030269	NPFC-D-2G18-M	
3575	E-1/4-1/4	8030272	NPFC-D-2G14-M	
3578	E-3/8-3/8	8030275	NPFC-D-2G38-M	
3580	E-1/2-1/2	8030277	NPFC-D-2G12-M	

**Double nipple
E-...**

**Double nipple
NPFC-D-...**

Difference:
– Without sealing rings

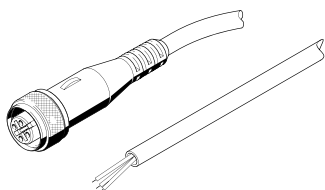


Part no.	Product type	Part no.	Alternative product type	Product comparison
3574	E-1/8-1/4	8030270	NPFC-D-G18-G14-M	
3576	E-1/4-3/8	8030273	NPFC-D-G14-G38-M	
3579	E-3/8-1/2	8030276	NPFC-D-G38-G12-M	

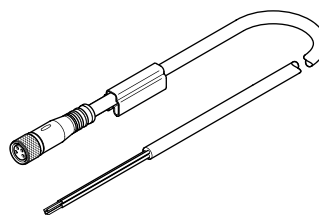
Electrical connection technology

Universal connecting cables

Plug socket with cable
SIM-...



Connecting cable
NEBU-...

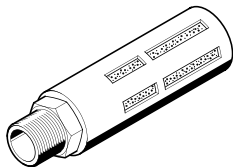


Part no.	Product type	Part no.	Alternative product type	Product comparison
159420	SIM-M8-3GD-2,5-PU	541333	NEBU-M8G3-K-2.5-LE3	
159421	SIM-M8-3GD-5-PU	541334	NEBU-M8G3-K-5-LE3	
192964	SIM-M8-3GD-10-PU	541332	NEBU-M8G3-K-10-LE3	
159422	SIM-M8-3WD-2.5-Pu	541338	NEBU-M8W3-K-2.5-LE3	
159423	SIM-M8-3WD-5-Pu	541341	NEBU-M8W3-K-5-LE3	
192965	SIM-M8-3WD-10-Pu	541335	NEBU-M8W3-K-10-LE3	
158960	SIM-M8-4GD-2.5-PU	541342	NEBU-M8G4-K-2.5-LE4	
158961	SIM-M8-4GD-5-PU	541343	NEBU-M8G4-K-5-LE4	
158962	SIM-M8-4WD-2.5-Pu	541344	NEBU-M8W4-K-2.5-LE4	
158963	SIM-M8-4WD-5-Pu	541345	NEBU-M8W4-K-5-LE4	
159428	SIM-M12-3GD-2.5-PU	541363	NEBU-M12G5-K-2.5-LE3	
159429	SIM-M12-3GD-5-PU	541364	NEBU-M12G5-K-5-LE3	
159430	SIM-M12-3WD-2.5-Pu	541367	NEBU-M12W5-K-2.5-LE3	
159431	SIM-M12-3WD-5-Pu	541370	NEBU-M12W5-K-5-LE3	
164259	SIM-M12-4GD-5-PU	541328	NEBU-M12G5-K-5-LE4	
164258	SIM-M12-4WD-5-Pu	541329	NEBU-M12W5-K-5-LE4	
175715	SIM-M12-5GD-2.5-PU	541330	NEBU-M12G5-K-2.5-LE5	
175716	SIM-M12-5GD-5-PU	541331	NEBU-M12G5-K-5-LE5	

Other pneumatic devices

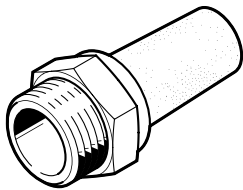
Pneumatic silencer

Pneumatic silencer
U-...-B



Pneumatic silencer
AMTE-M-LH-...

AMTE silencers are only delivered in a pack.
Prices are per unit, not per pack!



- Difference:**
- Brass/bronze
 - Packaging unit quantity:
10 or 20 pieces

Part no.	Product type	Part no.	Alternative product type	Product comparison
6841	U-1/8-B	1205860	AMTE-M-LH-G18	
6842	U-1/4-B	1205861	AMTE-M-LH-G14	
6843	U-3/8-B	1205862	AMTE-M-LH-G38	
6844	U-1/2-B	1205863	AMTE-M-LH-G12	
6845	U-3/4-B	1205864	AMTE-M-LH-G34	
151990	U-1-B	1205865	AMTE-M-LH-G1	

Process automation

For process automation, Festo supplies everything from a single source:

Engineering expertise

Industry-specific products

Wide range of standard pneumatic and electric components



Example: biotech/pharmaceuticals and cosmetics

Factory and process automation are used in parallel, in particular in the biotech/pharmaceuticals and cosmetics sectors. The flow of liquids and bulk materials has to be controlled during the production of active ingredients, as well as in the final form in which they are sold. Discontinuous processes are being controlled both in filling and in secondary packaging in the same plant. The filling machine is usually the link between factory and process automation. To avoid manufacturing an unnecessary variety of products, companies require automation components and systems that are suited to these hybrid applications. Our standardised portfolio decreases the customers' variety of products and reduces their operating costs by cutting inventory levels and increasing the availability of spare parts.



Innovative and proven technologies are interlinked to ensure reliable production

This sector uses many tried-and-tested technologies since product reliability is of the essence in the pharmaceutical industry, and all processes are aimed towards this goal. This is why even modern control architectures with decentralised intelligence and fieldbus and Ethernet technology will always include some plant sections which are individually wired and controlled via analogue signals. Festo offers remote controller and valve terminal technology to bridge this gap, thus also making the benefits of new technologies (web monitoring, diagnostics, fail-safe etc.) available for older components.

More than products: consulting, planning, expert system solutions

When it comes to integrating the various requirement profiles and technologies, it goes without saying that Festo offers not just the necessary individual products, but also the appropriate consultation services and planning, right down to the complete system solution. When taking into account all the customer's automation requirements, the solution provider also needs to have the appropriate expertise.

Everything from a single source

Festo has been continuously expanding its product range for some years with industry-specific process valves for controlling fluids, bulk material and gases. By combining these valves with actuators and position indicators, as well as our standard pneumatic and automation components, we provide the user with an extremely interesting concept from a single source.

For example, we offer complete valve packages for reactor automation as well as ready-to-install control cabinet.

The products complement each other and form a perfect combination of compressed air, actuator, valve and control technology for user-specific solutions and systems.

Automation concepts for optimum water treatment

Ensuring the availability of good quality drinking water is a constant challenge for mankind. Growing capacity bottlenecks in the power supply, a declining water table and increasing contamination of global water resources are also contributing to shortages of this most precious of life's essentials. Festo offers individual automation solutions and concepts whether for communal, industrial water or wastewater treatment, whether for OEMs or end users. Our solutions are economical, reliable and robust. And everything comes from a single source: from the actuator technology to the components at the field level, as components or ready-to-install systems. We work together with you to achieve intelligent automation, from the initial concept to trouble-free operation.



We create automation solutions that meet the demanding safety requirements of the chemical industry

The chemical industry has very stringent demands with regard to plant safety, plant availability and explosion protection. Applications are located both indoors and outdoors, and in many cases in corrosive and/or potentially explosive atmospheres.

SIL and explosion protection

Safety Integrity Levels (SIL) play a very important role. Process industry plants are assigned to a certain SIL level as appropriate to their potential hazard for workers, local residents or the environment and may be equipped only with components and solutions which meet the appropriate requirements for safety equipment. A further important aspect of safety considerations is explosion protection. Depending on the region, different regulations apply (e.g. ATEX in Europe, North Africa and the Near East).

Your partner for safe automation

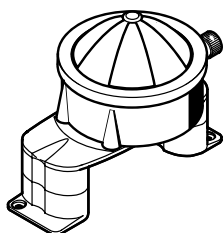
Festo is a genuine single source partner on whom customers can rely. This includes an in-depth understanding of the processes and structures and, of course, consideration of international standards and norms. Festo supplies products, modules and systems, such as complete process valve units and ready-to-install control cabinets, as well as consultation and service packages. These products are based on the "plug and work" principle, are available worldwide, and come with corrosion resistance and explosion protection for a high level of safety and reliability and optimum plant availability. Our product and service philosophy guarantees comprehensive support throughout the value chain.



Process automation

Sensor boxes

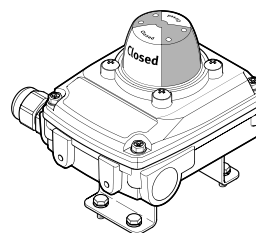
Sensor box
DAPZ-...-RO
SRBF-...
DARQ-...



Sensor box
SRBC-...
DARQ-...

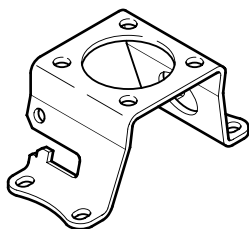
Difference:

- Identical function
but not 1:1 interchangeable



Part no.	Product type	Part no.	Alternative product type	Product comparison
534468	DAPZ-SB-M-250AC-DSM-RO	3482805	SRBC-CA3-YR90-MW-22A-1W-C2P20	
534469	DAPZ-SB-M-250AC-DR-RO	3482805	SRBC-CA3-YR90-MW-22A-1W-C2P20	
534470	DAPZ-SB-M-250AC-EXS-RO	3482807	SRBC-CA3-YR90-N-20N-ZC-C2P20-EX4	
534471	DAPZ-SB-I-30DC-DR-RO	3482808	SRBC-CA3-YR90-N-1-P-C2P20	
534472	DAPZ-SB-I-25DC-R-RO	3482807	SRBC-CA3-YR90-N-20N-ZC-C2P20-EX4	
534473	DAPZ-SB-I-30DC-DSAM-RO	3482808	SRBC-CA3-YR90-N-1-P-C2P20	
1152495	SRBF-CA3-YR90-MW-22A-C2M20	3482805	SRBC-CA3-YR90-MW-22A-1W-C2P20	
1152496	SRBF-CA4-YR90-MW-22A-C2M20	3482805	SRBC-CA3-YR90-MW-22A-1W-C2P20	
1152497	SRBF-CA5-YR90-MW-22A-C2M20	3482805	SRBC-CA3-YR90-MW-22A-1W-C2P20	
1152498	SRBF-CA6-YR90-MW-22A-C2M20	3482805	SRBC-CA3-YR90-MW-22A-1W-C2P20	
1162556	DARQ-K-A1-F05-20-R1	3636269	DARQ-K-X1-A1-F05-20-R1	
1162558	DARQ-K-A1-F05-30-R1	3636270	DARQ-K-X1-A1-F05-30-R1	
1162559	DARQ-K-A2-F05-30-R1	3886114	DARQ-K-X1-A2-F05-30-R1	

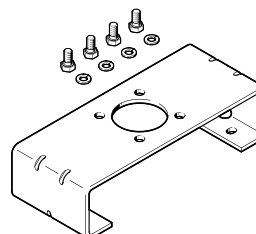
Mounting bridge
DARQ-...



Mounting bridge
DARQ-...

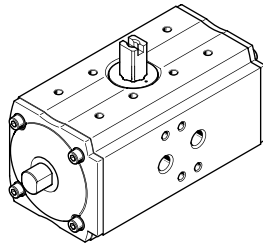
Difference:

- Identical function
but not 1:1 interchangeable

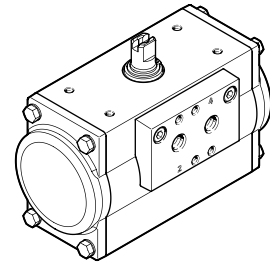


Part no.	Product type	Part no.	Alternative product type	Product comparison
1162556	DARQ-K-A1-F05-20-R1	3636269	DARQ-K-X1-A1-F05-20-R1	
1162558	DARQ-K-A1-F05-30-R1	3636270	DARQ-K-X1-A1-F05-30-R1	
1162559	DARQ-K-A2-F05-30-R1	3886114	DARQ-K-X1-A2-F05-30-R1	

Semi-rotary drives

Quarter-turn actuator
DFPB-...Quarter-turn actuator
DFPD-...

Note:
– 1:1 interchangeable



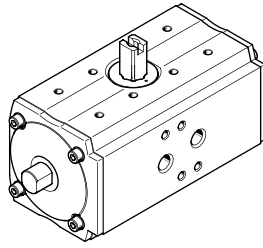
Part no.	Product type	Part no.	Alternative product type	Product comparison
557539	DFPB-10-090-F03	8047613	DFPD-10-RP-90-RD-F03	
557540	DFPB-20-090-F04	8047614	DFPD-20-RP-90-RD-F04	
557541	DFPB-30-090-F04	8042186	DFPD-40-RP-90-RD-F04	
557542	DFPB-45-090-F05	8047615	DFPD-40-RP-90-RD-F0507	
557543	DFPB-65-090-F05	8047616	DFPD-80-RP-90-RD-F0507	
557544	DFPB-80-090-F05	8047616	DFPD-80-RP-90-RD-F0507	
557545	DFPB-120-090-F0507	8048123	DFPD-120-RP-90-RD-F0507	
557546	DFPB-170-090-F0710	8048124	DFPD-160-RP-90-RD-F0710	
557547	DFPB-230-090-F0710	8048125	DFPD-240-RP-90-RD-F0710	
557548	DFPB-300-090-F0710	8048126	DFPD-300-RP-90-RD-F0710	
557611	DFPB-370-090-F1012	8048127	DFPD-480-RP-90-RD-F1012	
557612	DFPB-470-090-F1012	8048127	DFPD-480-RP-90-RD-F1012	
1207664	DFPB-10-090-S3-F04	8047621	DFPD-20-RP-90-RS30-F04	
1207665	DFPB-10-090-S4-F04	8042185	DFPD-20-RP-90-RS40-F04	
1207666	DFPB-10-090-S5-F04	8042185	DFPD-20-RP-90-RS50-F04	
1207667	DFPB-10-090-S6-F04	8047622	DFPD-20-RP-90-RS60-F04	
1210034	DFPB-10-090-S3-F03	8047644	DFPD-20-RP-90-RS30-F03	
1210035	DFPB-10-090-S4-F03	8042185	DFPD-20-RP-90-RS40-F03	
1210036	DFPB-10-090-S5-F03	8042185	DFPD-20-RP-90-RS50-F03	
1210037	DFPB-10-090-S6-F03	8047645	DFPD-20-RP-90-RS60-F03	
1208958	DFPB-15-090-S3-F04	8047635	DFPD-40-RP-90-RS30-F04	
1208959	DFPB-15-090-S4-F04	8042186	DFPD-40-RP-90-RS40-F04	
1208960	DFPB-15-090-S5-F04	8042186	DFPD-40-RP-90-RS50-F04	
1208961	DFPB-15-090-S6-F04	8047636	DFPD-40-RP-90-RS60-F04	
1246070	DFPB-20-090-S3-F04	8047635	DFPD-40-RP-90-RS30-F04	
1246071	DFPB-20-090-S4-F04	8042186	DFPD-40-RP-90-RS40-F04	
1246072	DFPB-20-090-S5-F04	8042186	DFPD-40-RP-90-RS50-F04	
1246073	DFPB-20-090-S6-F04	8047636	DFPD-40-RP-90-RS60-F04	
557549	DFPB-20-090-S3-F05	8047623	DFPD-40-RP-90-RS30-F0507	
557550	DFPB-20-090-S4-F05	8042186	DFPD-40-RP-90-RS40-F0507	
557551	DFPB-20-090-S5-F05	8042186	DFPD-40-RP-90-RS50-F0507	
557552	DFPB-20-090-S6-F05	8047624	DFPD-40-RP-90-RS60-F0507	
557553	DFPB-30-090-S3-F05	8047625	DFPD-80-RP-90-RS30-F0507	
557554	DFPB-30-090-S4-F05	8042187	DFPD-80-RP-90-RS40-F0507	
557555	DFPB-30-090-S5-F05	8042187	DFPD-80-RP-90-RS50-F0507	
557556	DFPB-30-090-S6-F05	8047626	DFPD-80-RP-90-RS60-F0507	
557557	DFPB-40-090-S3-F05	8047625	DFPD-80-RP-90-RS30-F0507	

Quarter-turn actuator
DFPB-...

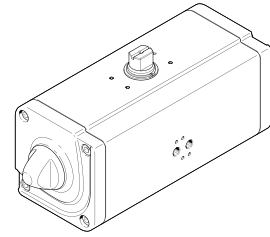
Quarter-turn actuator
DFPD-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
557558	DFPB-40-090-S4-F05	8042187	DFPD-80-RP-90-RS40-F0507	
557559	DFPB-40-090-S5-F05	8042187	DFPD-80-RP-90-RS50-F0507	
557560	DFPB-40-090-S6-F05	8047626	DFPD-80-RP-90-RS60-F0507	
557561	DFPB-60-090-S3-F0507	8048133	DFPD-120-RP-90-RS30-F0507	
557562	DFPB-60-090-S4-F0507	8042188	DFPD-120-RP-90-RS40-F0507	
557563	DFPB-60-090-S5-F0507	8042188	DFPD-120-RP-90-RS50-F0507	
557564	DFPB-60-090-S6-F0507	8048134	DFPD-120-RP-90-RS60-F0507	
557565	DFPB-80-090-S3-F0710	8048135	DFPD-160-RP-90-RS30-F0710	
557566	DFPB-80-090-S4-F0710	8042189	DFPD-160-RP-90-RS40-F0710	
557567	DFPB-80-090-S5-F0710	8042189	DFPD-160-RP-90-RS50-F0710	
557568	DFPB-80-090-S6-F0710	8048136	DFPD-160-RP-90-RS60-F0710	
557569	DFPB-110-090-S3-F0710	8048137	DFPD-240-RP-90-RS30-F0710	
557570	DFPB-110-090-S4-F0710	8042190	DFPD-240-RP-90-RS40-F0710	
557571	DFPB-110-090-S5-F0710	8042190	DFPD-240-RP-90-RS50-F0710	
557572	DFPB-110-090-S6-F0710	8048138	DFPD-240-RP-90-RS60-F0710	
557573	DFPB-150-090-S3-F0710	8048139	DFPD-300-RP-90-RS30-F0710	
557574	DFPB-150-090-S4-F0710	8042191	DFPD-300-RP-90-RS40-F0710	
557575	DFPB-150-090-S5-F0710	8042191	DFPD-300-RP-90-RS50-F0710	
557576	DFPB-150-090-S6-F0710	8048140	DFPD-300-RP-90-RS60-F0710	
557617	DFPB-180-090-S3-F1012	8048141	DFPD-480-RP-90-RS30-F1012	
557618	DFPB-180-090-S4-F1012	8042192	DFPD-480-RP-90-RS40-F1012	
557619	DFPB-180-090-S5-F1012	8042192	DFPD-480-RP-90-RS50-F1012	
557620	DFPB-180-090-S6-F1012	8048142	DFPD-480-RP-90-RS60-F1012	
557621	DFPB-230-090-S3-F1012	8048141	DFPD-480-RP-90-RS30-F1012	
557622	DFPB-230-090-S4-F1012	8042192	DFPD-480-RP-90-RS40-F1012	
557623	DFPB-230-090-S5-F1012	8042192	DFPD-480-RP-90-RS50-F1012	
557624	DFPB-230-090-S6-F1012	8048142	DFPD-480-RP-90-RS60-F1012	

**Quarter-turn actuator
DFPB-...**



**Quarter-turn actuator
DAPS-...**



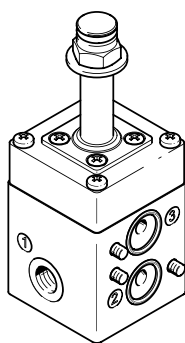
Note:

- Identical function, but not 1:1 interchangeable

Part no.	Product type	Part no.	Alternative product type	Product comparison
557613	DFPB-550-090-F1012	549667	DAPS-0720-090-R-F1012	
557614	DFPB-670-090-F1012	549667	DAPS-0720-090-R-F1012	
557615	DFPB-840-090-F14	549669	DAPS-1440-090-R-F14	
557616	DFPB-1050-090-F14	549669	DAPS-1440-090-R-F14	
557629	DFPB-330-090-S3-F1012	533455	DAPS-0480-090-RS1-F1012	
557630	DFPB-330-090-S4-F1012	533456	DAPS-0480-090-RS2-F1012	
557631	DFPB-330-090-S5-F1012	533457	DAPS-0480-090-RS3-F1012	
557632	DFPB-330-090-S6-F1012	533458	DAPS-0480-090-RS4-F1012	
557625	DFPB-270-090-S3-F1012	549673	DAPS-0360-090-RS1-F1012	
557626	DFPB-270-090-S4-F1012	549674	DAPS-0360-090-RS2-F1012	
557627	DFPB-270-090-S5-F1012	549675	DAPS-0360-090-RS3-F1012	
557628	DFPB-270-090-S6-F1012	549676	DAPS-0360-090-RS4-F1012	
557633	DFPB-420-090-S3-F14	533488	DAPS-0480-090-RS1-F14	
557634	DFPB-420-090-S4-F14	533489	DAPS-0480-090-RS2-F14	
557635	DFPB-420-090-S5-F14	533490	DAPS-0480-090-RS3-F14	
557636	DFPB-420-090-S6-F14	533491	DAPS-0480-090-RS4-F14	
557637	DFPB-520-090-S3-F14	549681	DAPS-0720-090-RS1-F14	
557638	DFPB-520-090-S4-F14	533456	DAPS-0720-090-RS2-F14	
557639	DFPB-520-090-S5-F14	549683	DAPS-0720-090-RS3-F14	
557640	DFPB-520-090-S6-F14	549684	DAPS-0720-090-RS4-F14	

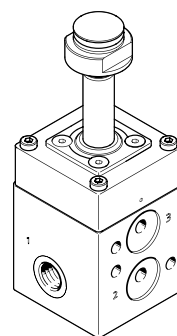
Namur valves

Valve
VOFC-L-...
VOFC-L-...



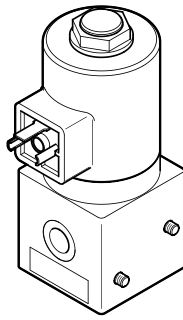
Valve
VOFC-LT-...
VOFC-L-...

Note:
– Fully interchangeable
with identical
configuration

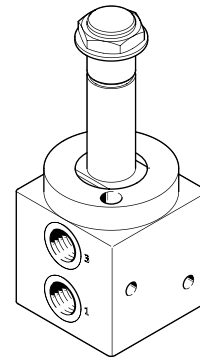


Part no.	Product type	Part no.	Alternative product type	Product comparison
562857	VOFC-L-M32C-M-FG14-F9	4514738	VOFC-LT-M32C-M-FG14-F19	
562858	VOFC-L-M32C-M-FG14-F9-A	4514739	VOFC-LT-M32C-M-FG14-F19A	
562859	VOFC-L-M32C-MC-G14-F9	4514740	VOFC-LT-M32C-MC-G14-F19	
562860	VOFC-L-M32C-MC-G14-F9-A	4514741	VOFC-LT-M32C-MC-G14-F19A	
562861	VOFC-L-M32C-MC-N14-F9	4514742	VOFC-LT-M32C-MC-N14-F19	
562862	VOFC-L-M32C-MC-N14-F9-A	4514743	VOFC-LT-M32C-MC-N14-F19A	
562863	VOFC-L-M32C-M-FG12-F9	4514746	VOFC-LT-M32C-M-FG12-F19	
562864	VOFC-L-M32C-M-FG12-F9-A	4514747	VOFC-LT-M32C-M-FG12-F19A	
562865	VOFC-L-M32C-MC-G12-F9	4514748	VOFC-LT-M32C-MC-G12-F19	
562866	VOFC-L-M32C-MC-G12-F9-A	4514749	VOFC-LT-M32C-MC-G12-F19A	
562875	VOFC-L-M32C-M-FG14-1UK4&	2868687	VOFC-LT-M32C-	
562876	VOFC-L-M32C-M-FG14-1K4-&	2868687	VOFC-LT-M32C-	
562877	VOFC-L-M32C-MC-G14-1UK4&	2868687	VOFC-LT-M32C-	
562878	VOFC-L-M32C-MC-G14-1K4-&	2868687	VOFC-LT-M32C-	
562879	VOFC-L-M32C-MC-N14-1UK4&	2868687	VOFC-LT-M32C-	
562880	VOFC-L-M32C-MC-G12-1UK4&	2868687	VOFC-LT-M32C-	
570787	VOFC-L-M32C-MC-FGP14-F9	4514744	VOFC-LT-M32C-MC-FGP14-F&	
570788	VOFC-L-M32C-MC-FGP14-F9&	4514745	VOFC-LT-M32C-MC-FGP14-F&	
2820406	VOFC-L-B52-G14-F9	4514927	VOFC-L-B52-G14-F19	
2820407	VOFC-L-B52-G14-F9-A	4514928	VOFC-L-B52-G14-F19A	
2821302	VOFC-L-B52-FG14-F9	4514929	VOFC-L-B52-FG14-F19	
2821303	VOFC-L-B52-FG14-F9-A	4514930	VOFC-L-B52-FG14-F19A	
2823467	VOFC-L-M52-M-G14-F9	4514925	VOFC-L-M52-M-G14-F19	
2823468	VOFC-L-M52-M-G14-F9-A	4514926	VOFC-L-M52-M-G14-F19A	
2823469	VOFC-L-M52-M-FG14-F9	4514923	VOFC-L-M52-M-FG14-F19	
2823470	VOFC-L-M52-M-FG14-F9-A	4514924	VOFC-L-M52-M-FG14-F19A	

Valve
VOFD-LT-...

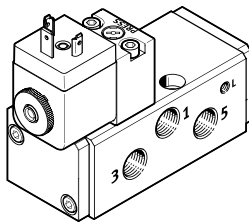


Valve
VOFD-L...-

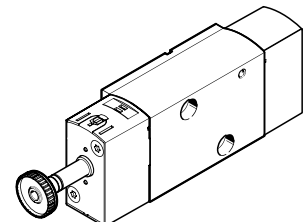


Part no.	Product type	Part no.	Alternative product type	Product comparison
562881	VOFD-LT-M32-MN-G14-F10	4514997	VOFD-L50T-M32-MN-G14-10&	
562882	VOFD-LT-M32-MN-N14-F10	4514998	VOFD-L50T-M32-MN-N14-10&	
562883	VOFD-LT-M32-MN-FG14-F10	4514999	VOFD-L50T-M32-MN-FG14-1&	
562884	VOFD-LT-M32-MN-G14-1UK4&	3212962	VOFD-L50T-	
562885	VOFD-LT-M32-MN-N14-1UK4&	3212962	VOFD-L50T-	
562886	VOFD-LT-M32-MN-FG14-1UK&	3212962	VOFD-L50T-	
570786	VOFD-LT-M32-MN-FGP14-F10	4515000	VOFD-L50T-M32-MN-FGP14-&	

Solenoid valve
MFH-
MN1H
MFXMH
MGTBH
VSNB-...
VAOP-...



Solenoid valve
VSNC-...
VSNC



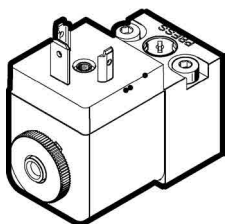
Part no.	Product type	Part no.	Alternative product type	Product comparison
183973	MFH-5/2K-FR-NA	577267	VSNC-FC-M52-MD-G14-FN	
183974	MN1H-5/2K-FR-NA	577267	VSNC-FC-M52-MD-G14-FN	
183977	MFXMH-5/2K-FR-NA	577267	VSNC-FC-M52-MD-G14-FN	
183978	MGTBH-5/2K-FR-NA	577267	VSNC-FC-M52-MD-G14-FN	
188400	MGTBH-5/2K-FR-110AC-NA	577267	VSNC-FC-M52-MD-G14-FN	
188401	MGTBH-5/2K-FR-230AC-NA	577267	VSNC-FC-M52-MD-G14-FN	
547017	VSNB-FC-M52-M-G14-P2	8026033	VSNC	
547019	VSNB-FC-M52-M-G14-1A1-E&	577286	VSNC-FC-M52-MD-N14-FN-1&	
547020	VSNB-FC-B52-H-G14-1A1-E	577282	VSNC-F-B52-D-G14-FN-1A1&	
547021	VSNB-F-M52-M-G14-P2	577257	VSNC-FC-M52-MD-G14-F8	
547022	VSNB-F-B52-G14-P2	577258	VSNC-F-B52-D-G14-F8	
547023	VSNB-F-M52-M-G14-1A1-EX&	577286	VSNC-FC-M52-MD-N14-FN-1&	
547024	VSNB-F-B52-G14-1A1-EX4A	577282	VSNC-F-B52-D-G14-FN-1A1&	
547025	VAOP-C2-P2	8026033	VSNC	

Solenoid valve
VSNB-...

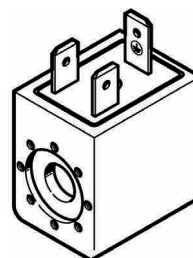
Solenoid valve
VSNC-...

Part no.	Product type	Part no.	Alternative product type	Product comparison
547026	VSNB-FC-M52-MH-G14-1A1	577295	VSNC-FC-M52-MD-G14-F8-1&	
547028	VSNB-F-M52-MH-G14-1A1	577295	VSNC-FC-M52-MD-G14-F8-1&	
547029	VSNB-F-B52-H-G14-1A1	577296	VSNC-F-B52-D-G14-F8-1B2	

Solenoid coil
MDH-...
MD-...



Solenoid coil
VACF-...
VACN-...



Part no.	Product type	Part no.	Alternative product type	Product comparison
546019	MDH-3/2-24DC-PI	8030802	VACF-B-B2-1	
546020	MDH-3/2-110AC-PI	8030806	VACF-B-B2-16B	
546021	MDH-3/2-230AC-PI	8030808	VACF-B-B2-3W	
546022	MD-3/2-24DC-PI-IA-EX	8029139	VACN-N-A1-1-EX4-A	