Air drills

- Straight, pistol and angle models
- Drilling capacity: from 1 to 20 mm Ø

fiam

PEOPLE AND SOLUTIONS

Fiam air drills: drilling operations on any kind of material with handiness and efficacy

The main technological parameters in drilling operations are the cutting speed and the force with which the drill is moved forwards, both of which are in their turn connected with the type of material being drilled, the diameter of the hole and the idle speed of the drill.
Fiam air drills offer considerable advantages, combining high performance with an **excellent power to weight ratio** and design features that make them particularly **easy-to-handle in every production field**. The range includes various models with straight and pistol grip, or angle drills suitable to drill from 1 to 20 mm diameter; equipped with different kinds of chucks to fix the bits (self-locking chucks and keyed chucks), and models with collet chucks.
As regards the type of grip, Fiam air drills are characterized by advanced ergonomic solutions that **allow different grip position to suit every work situation** thanks to rounded shapes, without sharp edges.

Straight grip drills

There are available the FZ series, extremely compact, the FS and FY series. The capacities of the chucks supplied with the tool vary from 0 to 10 mm and the speeds from 500 to 20.000 r.p.m.
An important benefit is that they can be started at low speed, using a lever, to facilitate initial insertion of the bit. Straight grip drills are ideal for **vertical drilling operations**.

Pistol grip drills

The FSE, FDE and FY series are the most used for their **practicality, handiness and lightness** in relation to their performances. The capacities of the chucks supplied with the tool vary from 0 to 13 mm and the speeds from 450 to 20.000 r.p.m.
Pistol grip drills are ideal for **horizontal work**; their ergonomic shape is ideal to guide the bit with precision and safety and to avoid harmful strain of the wrist.
The pistol grip is better for holes larger than 6-8 mm because it permits the best advancing force.

Twin grip drills

Suitable for holes with a **diameter of over 10-13 mm**. FO air drills can also be used for **boring and tightening**.

Angle drills

They are necessary when one needs to drill in **tight spaces where access is difficult, such as up against walls, close to metal sections and profiled beams**. Models are available with **30° (FZ series) and 90° angle heads**. The wide range is available with self docking chuck, with keyed chuck and without chuck; 90° angle drills (FS series) are also available in the version which permits the use of collet instead of the normal keyed chuck. With these models it is possible to have even more reduced head dimensions, especially when used with shorter drill bits. Speeds vary from 500 to 4.500 r.p.m.

Drills-Screwdrivers

All Fiam air drills **can be used as screwdrivers**; it is sufficient to change the chuck to obtain a screwdriver (without clutch) practical, light and easy to handle.

Special and multi spindle drills

Fiam designs and manufactures special drills to meet the specific needs of individual customers.

Fiam Technical Consultancy Service is at your disposal for further details.

FS48/90P

FY8A

FSE26PC

Be demanding

Reliability

Long lifetime of the components thanks to careful design and quality of the production process which results in less maintenance and repair costs

The internal gears guarantee **constant performance** and **long lifetime of the tool**

The air motors employed ensure **high power and maximum output** in every production field

Tools are manufactured with high quality materials that guarantee **greater resistance to wear**

The possibility of using **unlubricated compressed air** (except FO drills) permits to **eliminate lubrication plant costs** and to use these tools for **high precision tasks** (for example electronics, precision mechanics)

Don't be satisfied with the maximum

Productivity

Great use effectiveness thanks to innovative design systems

Fiam drills guarantee a **great versatility of use**: they can be used on any kind of material making them the perfect answer to every work situation

Models with 30° and 90° angle heads are ideal **in tight spaces where access is difficult**, such as up against walls, close to metal sections and profiled beams

All straight air drills **can be used as screwdrivers**; it is sufficient to change the chuck to obtain a practical, light and handy air screwdriver (without clutch) (see Accessories available upon request on page 18)

Fiam proposes a wide range of air drills with **self-locking chuck**, with **keyed-chuck, without chuck** and with **collet** to solve every application need

All air drills can be started at **low speed** to facilitate initial insertion of the bit and therefore to obtain faster drilling operations

FO series is particularly effective for **heavy-duty drilling and boring operations** in which the drill needs to be moved forward with considerable force

In special manual drilling situations and drilling-equipment mounted applications, Fiam **manufactures special drills**, in a very wide range of speeds, with direct air inlet for remote control use, and with smooth or flanged housings

FDE49PC

FS10C

FZ31/90P

F020P

Straight air drills FZ, FS, FY

Straight air drills

IDLE SPEED:
from 500 to 20.000 r.p.m.

DRILLING CAPACITY:
from 1 to 10 mm Ø

TYPE OF DRILL:
- **with self-locking chuck**
- **with keyed chuck**
- **without chuck**

FZ45C
C = with keyed chuck

FS26
without chuck

FS10C
C= with keyed chuck

STARTING SYSTEM:
lever

APPLICATION FIELD:
they are mainly used in vertical drilling operations **on any kind of material**

FS48C
C = with keyed chuck

FY8A
A= with self-locking chuck

FY10C
C= with keyed chuck

Straight air drills FZ, FS, FY

Type of drill		Grip	Type of chuck supplied	Chuck capacity	Output shaft (a)	Idle speed	Starting system	Weight	Dimensions (mm)	Compressed air consumption	Noise level	Vibrations level
Model	**Code**	**Type**	**Type**	**mm**	**Type**	**r.p.m.**	**Type**	**Kg**	**Ø x L**	**l/s**	**dBA**	**m/s²**
FZ45A	122309009		Self-locking chuck	0÷4	–	4500		0,480	32x185	6	76	< 2,5
FZ45C	122311145		Keyed chuck	0÷4	–	4500		0,430	32x178	6	76	< 2,5
FZ45	122309007		Without chuck	0÷4*	1	4500		0,350	32x153	6	76	< 2,5
FS200C	124611120		Keyed chuck	0÷6	–	20000		0,625	40x190	9	76	< 2,5
FS65A	124609043		Self-locking chuck	0÷8	–	6500		0,840	40x205	9	76	< 2,5
FS65C	124611104		Keyed chuck	0÷8	–	6500		0,700	40x190	9	76	< 2,5
FS65	124609014		Without chuck	0÷8*	2	6500		0,570	40x157	9	76	< 2,5
FS48A	124609044		Self-locking chuck	0÷8	–	5400		0,840	40x205	9	76	< 2,5
FS48C	124611106		Keyed chuck	0÷8	–	5400		0,700	40x190	9	76	< 2,5
FS48	124609015		Without chuck	0÷8*	2	5400		0,570	40x157	9	76	< 2,5
FS33A	124609045		Self-locking chuck	0÷8	–	3800		0,840	40x205	9	76	< 2,5
FS33C	124611108		Keyed chuck	0÷8	–	3800		0,700	40x190	9	76	< 2,5
FS33	124609003		Without chuck	0÷8*	2	3800		0,570	40x157	9	76	< 2,5
FS26A	124609037		Self-locking chuck	0÷8	–	2900		0,840	40x205	9	76	< 2,5
FS26C	124611110		Keyed chuck	0÷8	–	2900		0,700	40x190	9	76	< 2,5
FS26	124609002		Without chuck	0÷8*	2	2900		0,570	40x157	9	76	< 2,5
FS17A	124609010		Self-locking chuck	1÷10	–	1700		1,090	40x255	9	76	< 2,5
FS17C	124611112		Keyed chuck	1÷10	–	1700		0,960	40x235	9	76	< 2,5
FS17	124609054		Without chuck	1÷10*	2	1700		0,735	40x197	9	76	< 2,5
FS10A	124609046		Self-locking chuck	1÷10	–	1000		1,090	40x255	9	76	< 2,5
FS10C	124611114		Keyed chuck	1÷10	–	1000		0,960	40x235	9	76	< 2,5
FS10	124609001		Without chuck	1÷10*	2	1000		0,735	40x197	9	76	< 2,5
FS5A	124609047		Self-locking chuck	1÷10	–	500		1,090	40x255	9	76	< 2,5
FS5C	124611116		Keyed chuck	1÷10	–	500		0,960	40x235	9	76	< 2,5
FS5	124609055		Without chuck	1÷10*	2	500		0,735	40x197	9	76	< 2,5
FY8A	126311118		Self-locking chuck	1÷10	–	2600		1,330	46x270	11	77	< 2,5
FY8C	126309024		Keyed chuck	1÷10	–	2600		1,195	46x250	11	77	< 2,5
FY8	126309026		Without chuck	1÷10*	3	2600		0,970	46x213	11	77	< 2,5
FY10A	126311110		Self-locking chuck	1÷10	–	1800		1,330	46x270	11	77	< 2,5
FY10C	126309078		Keyed chuck	1÷10	–	1800		1,195	46x250	11	77	< 2,5
FY10	126309023		Without chuck	1÷10*	3	1800		0,970	46x213	11	77	< 2,5

Legend

FZ, FS, FY...A = models with self-locking chuck • FZ, FS, FY...C = models with keyed chuck • FZ, FS, FY... = models without chuck.
For the right choice, see page 3.

(*a*) OUTPUT SHAFT
1 - Tapered J 0. • 2 - Threaded 3/8" x 24 UNF. • 3 - Threaded 1/2" x 20 UNF.

*** Chuck capacity**
The indicated capacity is the maximum recommended.

Legend

Lever

- **To choose the right air drill, it is necessary to check the drilling capacity in the chart on page 3.**
- The figures shown are measured at a pressure of 6,3 bar (ISO 2787), the recommended operating pressure.
- Noise level has been measured in accordance with ISO 3744 and ISO 15744.
- Vibrations level has been measured in accordance with ISO 8662 standard.
- The code number must be used when ordering.

The models highlighted in black are usually available from stock.

The data given in the table are indicative and can be changed without prior notice. The values indicated for noise levels were obtained in the laboratory, performing tests that comply with the standards stated, but alone are not sufficient for calculating risks. Values measured in the single work places may be higher than those stated. The values of actual exposure and consequent risks are specific and depend on the operator's method of work, the type of work piece and the work place, as well as the operator's time of exposure and his physical conditions.
Fiam cannot be held responsible for any consequences deriving from the use of the information in the table when evaluating risks in the work place over which Fiam has no control. For all further details, please apply to the **Fiam Technical Consultancy Service**.

Standard equipment (supplied with the tool)

- Drills with self-locking chuck: self-locking chuck
- Drills with keyed chuck: keyed chuck and key
- Hanging ring
- Auxiliary grip (except FZ... models) - prEN792 1-12 standard - (see page 22)
- Use and maintenance manual
- Eco-friendly packaging

Accessories available upon request

- Wide range of accessories for air drills and the compressed air system (see page 18-23).

Models available upon request

- Models with 0.5 to 5 mm collet chuck (FZ... series)
- Models with 0.5 to 7 mm collet chuck (FS... series)
- Models with 0.5 to 10 mm collet chuck (FY... series)
- In special manual drilling situations and drilling-equipment mounted applications, Fiam **manufactures special drills**, in a very wide range of speeds, with direct air inlet for remote control use, and with smooth or flanged housings. Given the wide variety of solutions possible, Fiam's qualified **Technical Consultancy Service** is at your disposal for any further information

Other technical features

Models	Air inlet	Recommended hose bore	*Supply hoses recommended** Rubber	Spiral
FZ...	1/8" gas	Ø 5 mm	693511020	-
FS..., FY...	1/4" gas	Ø 8 mm	693511022	693011020

* For features of hoses see p. 20

Pistol air drills FSE, FDE, FY, FO

Pistol air drills

IDLE SPEED:
from 170 to 20.000 r.p.m.

DRILLING CAPACITY:
from 1 to 13 mm Ø

TYPE OF DRILL:
- **with self-locking chuck**
- **with keyed chuck**
- **without chuck**

FSE26PC
C= with keyed chuck

FO20P
Bit holder female morse taper bore

STARTING SYSTEM:
push button

APPLICATION FIELD:
they are suitable for a lot of drilling operations **on every type of material and in every industrial field**.

FO series is particularly effective for **heavy-duty drilling** and boring operations in which the drill needs to be moved forward with considerable force.

FY8PA
A= with self-locking chuck

FSE17PA
A= with self-locking chuck

FDE49PC
C= with keyed chuck

Pistol air drills FSE, FDE, FY, FO

Type of drill		Grip	Type of chuck supplied	Chuck capacity	Output shaft (a)	Idle speed	Starting system	Weight	Dimensions (mm)	Compressed air consumption	Noise level	Vibrazions level
Model	**Code**	**Type**	**Type**	**mm**	**Type**	**r.p.m.**	**Type**	**Kg**	**Ø x L x H**	**l/s**	**dBA**	**m/s²**
FSE200PC	124611530		Keyed chuck	0÷6	–	20000		0,730	38x180x155	9	77	< 2,5
FSE65PA	124611541		Self-locking chuck	0÷8	–	6500		0,940	38x196x155	9	77	< 2,5
FSE65PC	124611531		Keyed chuck	0÷8	–	6500		0,800	38x180x155	9	77	< 2,5
FSE65P	124610531		Without chuck	0÷8*	1	6500		0,670	38x150x155	9	77	< 2,5
FSE48PA	124611542		Self-locking chuck	0÷8	–	5400		0,940	38x196x155	9	77	< 2,5
FSE48PC	124611532		Keyed chuck	0÷8	–	5400		0,800	38x180x155	9	77	< 2,5
FSE48P	124610532		Without chuck	0÷8*	1	5400		0,670	38x150x155	9	77	< 2,5
FSE33PA	124611543		Self-locking chuck	0÷8	–	3800		0,940	38x196x155	9	77	< 2,5
FSE33PC	124611533		Keyed chuck	0÷8	–	3800		0,800	38x180x155	9	77	< 2,5
FSE33P	124610533		Without chuck	0÷8*	1	3800		0,670	38x150x155	9	77	< 2,5
FSE26PA	124611544		Self-locking chuck	0÷8	–	2900		0,940	38x196x155	9	77	< 2,5
FSE26PC	124611534		Keyed chuck	0÷8	–	2900		0,800	38x180x155	9	77	< 2,5
FSE26P	124610534		Without chuck	0÷8*	1	2900		0,670	38x150x155	9	77	< 2,5
FSE17PA	124611545		Self-locking chuck	1÷10	–	1700		1,180	38x233x155	9	77	< 2,5
FSE17PC	124611535		Keyed chuck	1÷10	–	1700		1,045	38x210x155	9	77	< 2,5
FSE17P	124610535		Without chuck	1÷10*	1	1700		0,820	38x175x155	9	77	< 2,5
FSE10PA	124611546		Self-locking chuck	1÷10	–	1000		1,180	38x233x155	9	77	< 2,5
FSE10PC	124611536		Keyed chuck	1÷10	–	1000		1,045	38x210x155	9	77	< 2,5
FSE10P	124610536		Without chuck	1÷10*	1	1000		0,820	38x175x155	9	77	< 2,5
FSE5PA	124611547		Self-locking chuck	1÷10	–	500		1,180	38x233x155	9	77	< 2,5
FSE5PC	124611537		Keyed chuck	1÷10	–	500		1,045	38x210x155	9	77	< 2,5
FSE5P	124610537		Without chuck	1÷10*	1	500		0,820	38x175x155	9	77	< 2,5
FDE60PA	124611550		Self-locking chuck	1÷10	–	6000		1,080	38x223x155	10	77	< 2,5
FDE60PC	124611560		Keyed chuck	1÷10	–	6000		0,945	38x200x155	10	77	< 2,5
FDE60P	124610550		Without chuck	1÷10*	1	6000		0,720	38x165x155	10	77	< 2,5
FDE49PA	124611551		Self-locking chuck	1÷10	–	4900		1,080	38x223x155	10	77	< 2,5
FDE49PC	124611561		Keyed chuck	1÷10	–	4900		0,945	38x200x155	10	77	< 2,5
FDE49P	124610551		Without chuck	1÷10*	1	4900		0,720	38x165x155	10	77	< 2,5
FDE33PA	124611552		Self-locking chuck	1÷10	–	3300		1,080	38x223x155	10	77	< 2,5
FDE33PC	124611562		Keyed chuck	1÷10	–	3300		0,945	38x200x155	10	77	< 2,5
FDE33P	124610552		Without chuck	1÷10*	1	3300		0,720	38x165x155	10	77	< 2,5
FDE26PA	124611553		Self-locking chuck	1÷10	–	2600		1,080	38x223x155	10	77	< 2,5
FDE26PC	124611563		Keyed chuck	1÷10	–	2600		0,945	38x200x155	10	77	< 2,5
FDE26P	124610553		Without chuck	1÷10*	1	2600		0,720	38x165x155	10	77	< 2,5
FY6PA	126311556		Self-locking chuck	1÷10	–	3200		1,540	46x222x170	11	77	< 2,5
FY6PC	126309103		Keyed chuck	1÷10	–	3200		1,400	46x200x170	11	77	< 2,5
FY6P	126309036		Without chuck	1÷10*	2	3200		1,180	46x165x170	11	77	< 2,5

Type of drill		Grip	Type of chuck supplied	Chuck capacity	Output shaft (a)	Idle speed	Starting system	Weight	Dimensions (mm)	Compressed air consumption	Noise level	Vibrazions level
Model	**Code**	**Type**	**Type**	**mm**	**Type**	**r.p.m.**	**Type**	**Kg**	**Ø x L x H**	**l/s**	**dBA**	**m/s²**
FY8PA	126311558		Self-locking chuck	1÷10	–	2600		1,540	46x222x170	11	76	< 2,5
FY8PC	126309019		Keyed chuck	1÷10	–	2600		1,400	46x200x170	11	76	< 2,5
FY8P	126309020		Without chuck	1÷10*	2	2600		1,180	46x165x170	11	76	< 2,5
FY10PA	126311560		Self-locking chuck	1÷10	–	1800		1,540	46x222x170	11	76	< 2,5
FY10PC	126309015		Keyed chuck	1÷10	–	1800		1,400	46x200x170	11	76	< 2,5
FY10P	126309018		Without chuck	1÷10*	2	1800		1,180	46x165x170	11	76	< 2,5
FY13PA	126311563		Self-locking chuck	1÷13	–	750		2,000	46x263x170	11	76	< 2,5
FY13PC	126309007		Keyed chuck	1÷13	–	750		1,845	46x238x170	11	76	< 2,5
FY13P	126309021		Without chuck	1÷13*	2	750		1,485	46x195x170	11	76	< 2,5
FY14PA	126311564		Self-locking chuck	1÷13	–	450		2,000	46x263x170	11	76	< 2,5
FY14PC	126309030		Keyed chuck	1÷13	–	450		1,845	46x238x170	11	76	< 2,5
FY14P	126309035		Without chuck	1÷13*	2	450		1,485	46x195x170	11	76	< 2,5
FO12P	127011512		Without chuck	–	3	2000		3,050	65x200x360	14	91	< 2,5
FO16P	127011516		Without chuck	–	3	950		3,600	65x236x360	14	91	< 2,5
FO20P	127011520		Without chuck	–	3	600		3,600	65x236x360	14	91	< 2,5
FO3P	127011530		Without chuck	–	3	170		4,180	65x272x360	14	91	< 2,5

Legend

FSE, FDE, FY, ...PA = models with self-locking chuck • FSE, FDE, FY, ...PC = models with keyed chuck • FSE, FDE, FY, FO...P = models without chuck
• For the right choice, see page 3.

Legend

Push button

Push button

(*a*) OUTPUT SHAFT
1 - Threaded 3/8" x 24 UNF • 2 - Threaded 1/2" x 20 UNF • 3 - Tapered n. 2

- **To choose the right air drill, it is necessary to check the drilling capacity in the chart on page 3.**
- The figures shown are measured at a pressure of 6,3 bar (ISO 2787), the recommended operating pressure.
- Noise level has been measured in accordance with ISO 3744 and ISO 15744.
- Vibrations level has been measured in accordance with ISO 8662 standard.
- The code number must be used when ordering.

The models highlighted in black are usually available from stock.

*** Chuck capacity**
The indicated capacity is the maximum recommended.

The data given in the table are indicative and can be changed without prior notice. The values indicated for noise levels were obtained in the laboratory, performing tests that comply with the standards stated, but alone are not sufficient for calculating risks. Values measured in the single work places may be higher than those stated. The values of actual exposure and consequent risks are specific and depend on the operator's method of work, the type of work piece and the work place, as well as the operator's time of exposure and his physical conditions.
Fiam cannot be held responsible for any consequences deriving from the use of the information in the table when evaluating risks in the work place over which Fiam has no control. For all further details, please apply to the **Fiam Technical Consultancy Service**.

Standard equipment (supplied with the tool)

- Drills with self-locking chuck: self-locking chuck
- Drills with keyed chuck: keyed chuck and key
- Hanging ring
- Auxiliary grip (prEN792 1-12 standard)
- Use and maintenance manual
- Eco-friendly packaging

Accessories available upon request

- Wide range of accessories for air drills and the compressed air system (see page 18-23).

Models available upon request

- Models with 0.5 to 7 mm collet chuck (FSE...P series)
- Models with 0.5 to 10 mm collet chuck (FDE...P series)
- Models with 0.5 to 10 mm collet chuck (FY...P series)
- Models with 3÷13 mm capacity keyed chuck (only for FO...P series: use morse taper socket code 407012040 and keyed chuck code 650090160)
- Models predisposed for conveying air exhaust
- In special manual drilling situations and drilling-equipment mounted applications, Fiam **manufactures special drills**, in a very wide range of speeds, with direct air inlet for remote control use, and with smooth or flanged housings. Given the wide variety of solutions possible, Fiam's qualified **Technical Consultancy Service** is at your disposal for any further information

Other technical features

			*Supply hoses recommended**	
Models	**Air inlet**	**Recommended hose bore**	**Rubber**	**Spiral**
FSE...P, FDE...P, FY...P	1/4" gas	Ø 8 mm	693511022	693011020
FO...P	3/8" gas	Ø 13 mm	693511023	–

* For features of hoses see p. 20

Angle air drills FZ, FS, FY

Angle air drills

IDLE SPEED:
from 500 to 4.500 r.p.m.

DRILLING CAPACITY:
from 1 to 10 mm Ø

TYPE OF DRILL:
- **with self-locking chuck**
- **with keyed chuck**
- **without chuck**

Models with 30° (FZ series) and 90° angle heads 90° angle drills (FS series) are also available in the version which permits the use of collet instead of the normal keyed chuck

FS17/90C
C= with keyed chuck

FS48/90P
With collet chuck

FS65/90C
C= with keyed chuck

STARTING SYSTEM:
lever

APPLICATION FIELD:
they are necessary when one needs to drill in **tight spaces where access is difficult, such as up against walls, close to metal sections and profiles beams**

FZ31/30P
With collet chuck

FY8/90C
C= with keyed chuck

FZ31/90P
With collet chuck

FS17/90P
With collet chuck

Angle air drills FZ, FS, FY

Model	Code	Type of drill / Grip Type	Type of chuck supplied Type	Chuck capacity mm	Output shaft (a) Type	Idle speed r.p.m.	Starting system Type	Weight Kg	Dimensions (mm) Ø x L x H	Compressed air consumption l/s	Noise level dBA	Vibrazions level m/s²
FZ31/30P	122335132		Collet chuck	1÷5	–	3100		0,500	31x235x35	6	76	< 2,5
FZ31/90P	122395132		Collet chuck	1÷5	–	3100		0,500	31x228x47	6	76	< 2,5
FS65/90A	124609091		Self-locking chuck	0÷6	–	4500		1,250	40x255x100	9	76	< 2,5
FS65/90C	124691118		Keyed chuck	0÷6	–	4500		1,100	40x255x83	9	76	< 2,5
FS65/90P	124695104		Collet chuck	1÷7	–	4500		1,000	40x255x54	9	76	< 2,5
FS65/90	124609093		Without chuck	0÷6*	1	4500		0,970	40x255x54	9	76	< 2,5
FS48/90A	124609212		Self-locking chuck	0÷6	–	3400		1,250	40x255x100	9	76	< 2,5
FS48/90C	124691116		Keyed chuck	0÷6	–	3400		1,100	40x255x83	9	76	< 2,5
FS48/90P	124695106		Collet chuck	1÷7	–	3400		1,000	40x255x54	9	76	< 2,5
FS48/90	124609155		Without chuck	0÷6*	1	3400		0,970	40x255x54	9	76	< 2,5
FS33/90A	124609124		Self-locking chuck	0÷8	–	2200		1,250	40x255x100	9	76	< 2,5
FS33/90C	124691108		Keyed chuck	0÷8	–	2200		1,100	40x255x83	9	76	< 2,5
FS33/90P	124695108		Collet chuck	1÷7	–	2200		1,000	40x255x54	9	76	< 2,5
FS33/90	124609154		Without chuck	0÷8*	1	2200		0,970	40x255x54	9	76	< 2,5
FS17/90A	124609083		Self-locking chuck	1÷10	–	1100		1,420	40x285x112	9	76	< 2,5
FS17/90C	124691112		Keyed chuck	1÷10	–	1100		1,300	40x285x90	9	76	< 2,5
FS17/90P	124695112		Collet chuck	1÷7	–	1100		1,200	40x285x54	9	76	< 2,5
FS17/90	124609211		Without chuck	1÷10*	1	1100		1,070	40x285x54	9	76	< 2,5
FS10/90A	124609210		Self-locking chuck	1÷10	–	700		1,420	40x285x112	9	76	< 2,5
FS10/90C	124691114		Keyed chuck	1÷10	–	700		1,300	40x285x90	9	76	< 2,5
FS10/90P	124695114		Collet chuck	1÷7	–	700		1,200	40x285x54	9	76	< 2,5
FS10/90	124609075		Without chuck	1÷10*	1	700		1,070	40x285x54	9	76	< 2,5
FY8/90A	126309060		Self-locking chuck	1÷10	–	1600		1,820	46x320x125	10	80	< 2,5
FY8/90C	126391101		Keyed chuck	1÷10	–	1600		1,700	46x320x103	10	80	< 2,5
FY8/90	126309062		Without chuck	1÷10*	2	1600		1,480	46x320x65	10	80	< 2,5
FY10/90A	126309104		Self-locking chuck	1÷10	–	1200		1,820	46x320x125	10	80	< 2,5
FY10/90C	126391102		Keyed chuck	1÷10	–	1200		1,700	46x320x103	10	80	< 2,5
FY10/90	126309064		Without chuck	1÷10*	2	1200		1,480	46x320x65	10	80	< 2,5
FY13/90A	126309071		Self-locking chuck	1÷10	–	500		2,020	46x350x125	10	80	< 2,5
FY13/90C	126391103		Keyed chuck	1÷10	–	500		1,900	46x350x103	10	80	< 2,5
FY13/90	126309082		Without chuck	1÷10*	2	500		1,680	46x350x65	10	80	< 2,5

Legend

FZ, FS, FY...A = models with self-locking chuck • FZ, FS, FY...C = models with keyed chuck • FZ, FS, FY...P = models with collet chuck • FZ, FS, FY... = models without chuck. • For the right choice, see page 3.

(*a*) OUTPUT SHAFT
1 - Threaded 3/8" x 24 UNF. • 2 - Threaded 1/2" x 20 UNF.

*** Chuck capacity**
The indicated capacity is the maximum recommended.

Legend

Lever

- **To choose the right air drill, it is necessary to check the drilling capacity in the chart on page 3.**
- The figures shown are measured at a pressure of 6,3 bar (ISO 2787), the recommended operating pressure.
- Noise level has been measured in accordance with ISO 3744 and ISO 15744.
- Vibrations level has been measured in accordance with ISO 8662 standard.
- The code number must be used when ordering.

The models highlighted in black are usually available from stock.

The data given in the table are indicative and can be changed without prior notice. The values indicated for noise levels were obtained in the laboratory, performing tests that comply with the standards stated, but alone are not sufficient for calculating risks. Values measured in the single work places may be higher than those stated. The values of actual exposure and consequent risks are specific and depend on the operator's method of work, the type of work piece and the work place, as well as the operator's time of exposure and his physical conditions.
Fiam cannot be held responsible for any consequences deriving from the use of the information in the table when evaluating risks in the work place over which Fiam has no control. For all further details, please apply to the **Fiam Technical Consultancy Service.**

Standard equipment (supplied with the tool)

- Drills with self-locking chuck: self-locking chuck
- Drills with keyed chuck: keyed chuck and key
- Drills with collet chuck: locking key for socket (the collet has to be ordered apart, see page 19)
- Use and maintenance manual
- Eco-friendly packaging

Accessories available upon request

- Wide range of accessories for air drills and the compressed air system (see page 18-23)

Models available upon request

- Models with customized output shaft (only for models FS.../90... and FY.../90...)
- In special manual drilling situations and drilling-equipment mounted applications, Fiam **manufactures special drills**, in a very wide range of speeds, with direct air inlet for remote control use, and with smooth or flanged housings. Given the wide variety of solutions possible, Fiam's qualified **Technical Consultancy Service** is at your disposal for any further information.

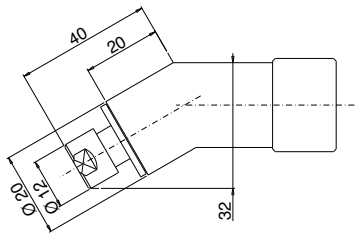
Other technical features

Models	Air inlet	Recommended hose bore	*Supply hoses recommended** Rubber	Spiral
FZ.../30, FZ.../90	1/8" gas	Ø 5 mm	693511020	-
FS.../90..., FY.../90...	1/4" gas	Ø 8 mm	693511022	693011020

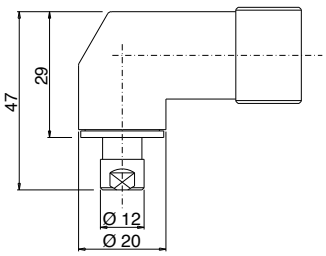
*For features of hoses see p. 20

DIMENSIONS (mm)

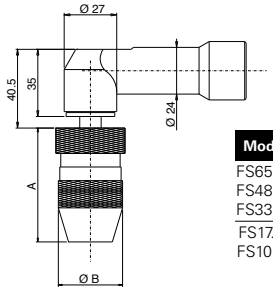
FZ31/30



FZ31/90

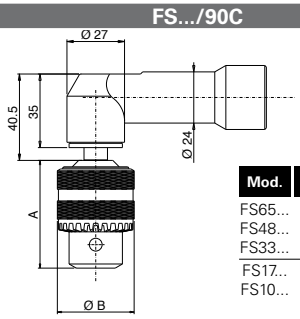


FS.../90A



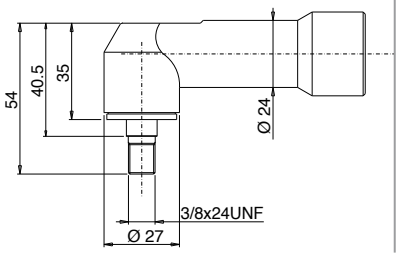
Mod.	A mm	Ø B mm
FS65... FS48... FS33...	60	34
FS17... FS10...	72	35

FS.../90C

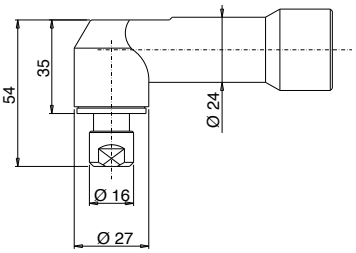


Mod.	A mm	Ø B mm
FS65... FS48... FS33...	43	30
FS17... FS10...	50	36

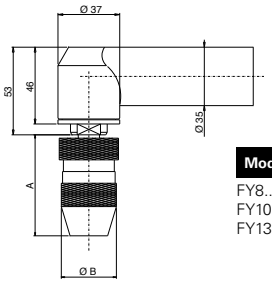
FS.../90



FS...90/P

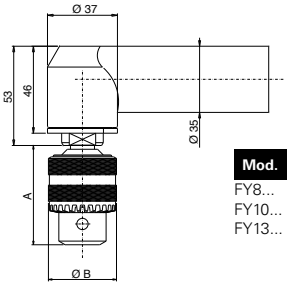


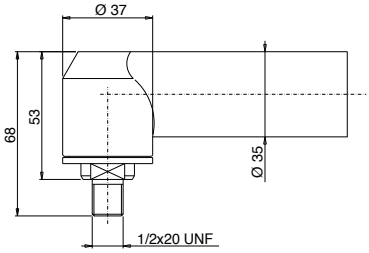
FY.../90A



Mod.	A mm	Ø B mm
FY8... FY10... FY13...	75	35

FY.../90C



Mod.	A mm	Ø B mm
FY8... FY10... FY13...	50	36

FY.../90