

Flexible Shaft

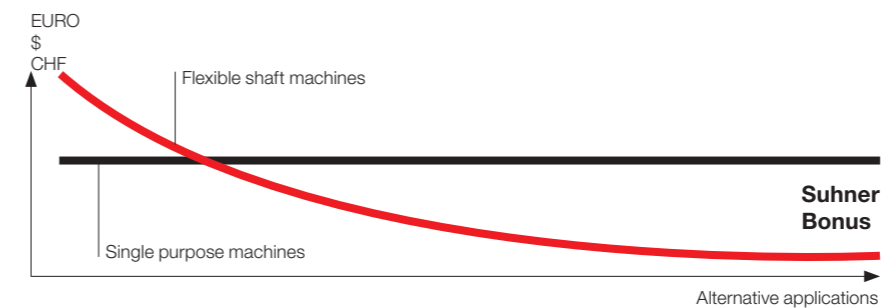




Broad application

Sensitive, powerful and adaptable.

A concept with many advantages. A variety of jobs usually means a whole set of different machines and tools. Not so with Suhner flexible shaft machines. Here we have: universality, adaptability and convenience together with full power – from the most precise work in mobile operation to heavy work under extremely difficult conditions.



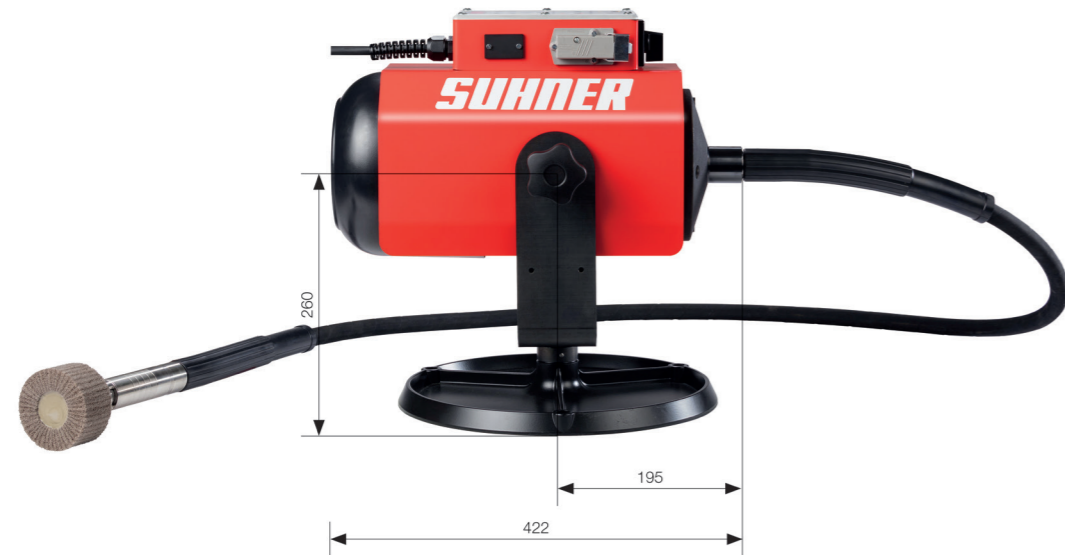
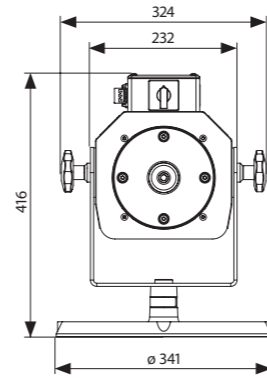
Facts:

The separation of drive unit and the tool itself provides for complete freedom of operation, without fatigue, during long working periods. Additionally, areas difficult to reach with other tools can be worked effectively with flexible shaft machines. Our programme embraces multi and infinitely variable speed machines. Operating speeds based on long, practical experience provide for optimal cutting and surface speeds, which guarantee maximum stock removal and also economic tool life factors.



3-phase alternating current

ROTOmax 2.2



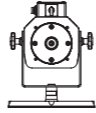

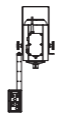
- Stable high-power motor and robust metal housing
- Can be controlled from hand-held unit through optional manual shut-off
- With soft start and brake
- Simple, intuitive operation
- The mapping of the grinding processes or operations is made possible by storing up to 6 (5 memory locations + key "F") different speeds. The speeds are freely programmable and electronically controlled.
- Perfect grinding pattern thanks to electronically controlled speed
- Large LED display to enable the speed to be seen easily
- Automatic detection when step switch / foot switch is connected.
- Choice of 3 models:
F: with base plate
HM: with hanging attachment
STM: trolley mounted

Applications

Grinding, cutting, roughing, descaling, polishing, brushing, etc. For heavy duty work in foundries, in boilermaking and steel fabrication, in mechanical workshops, in stainless steel processing companies.



Technical data

Type	Voltage	Frequency	Connection for Flexible Shaft	Power Input	Speed	Plug	Mat.-No.
	V	Hz		kW	min ⁻¹		
 F	230-240	50/60	DIN 10	2.0	500 – 13 000	VDE	100 035 084
F	230-240	50/60	DIN 10	2.0	500 – 13 000	SEV	100 035 085
F	230-240	50/60	DIN 10	2.0	500 – 13 000	USA	101 001 444
F	230-240	50/60	DIN 10	2.0	500 – 13 000	AUS	101 001 452
 STM	230-240	50/60	DIN 10	2.0	500 – 13 000	VDE	101 001 430
STM	230-240	50/60	DIN 10	2.0	500 – 13 000	SEV	101 001 431
STM	230-240	50/60	DIN 10	2.0	500 – 13 000	USA	101 001 451
STM	230-240	50/60	DIN 10	2.0	500 – 13 000	AUS	101 001 453
 HM	230-240	50/60	DIN 10	2.0	500 – 13 000	VDE	101 001 434
HM	230-240	50/60	DIN 10	2.0	500 – 13 000	SEV	101 001 438
HM	230-240	50/60	DIN 10	2.0	500 – 13 000	USA	101 001 442
HM	230-240	50/60	DIN 10	2.0	500 – 13 000	AUS	101 001 443

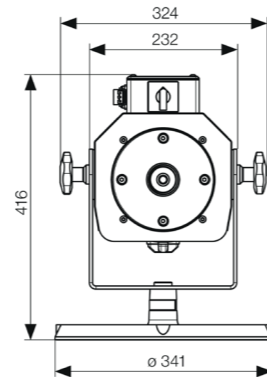
Motor version 1-phase AC motor
Protection rating Protection rating 1
Protection class IP 45
Features Overload protection

Possible combinations

Flexible Shaft	Part No.	Grinding Wheel	Part No.
DIN 10	NA 7 x 1500 DIN 10/G 22	FH 7 INOX (6mm)	110 235 01 100 035 064
		WI 7 (6mm)	057 645 01 100 046 613
		WI 7-45° (6mm)	057 662 01 100 045 263
G 22	NA 7 x 1500 DIN 10/G 22	WB 7	110 221 01 100 035 049
		FH 10 INOX (6mm)	110 232 01 100 035 059
		WI 10 (6mm)	057 645 03 100 046 615
G 28	NA 10 x 2000 DIN 10/G 28	WI 10-45° (6mm)	057 662 03 100 045 265
		WB 10	110 222 01 100 035 050
		FH 12 INOX (12mm)	110 233 01 100 035 060
G 28	NA 12 x 2000 DIN 10/G 28	SWH G 28	110 237 01 100 035 066
		BSG 10/50	052 630 01 100 047 048
		FSM 1:1	057 891 01 100 045 479
Foot switch 2/4 R with protective cover	110 266 01 100 035 126	Foot switch 2/4 T with protective cover	110 267 01 100 035 127
On/Off		Push button function	
FTM	110 223 01 100 035 051		

3-phase alternating current

ROTOmax 4.2



- Stable high-power motor and robust metal housing
- Can be controlled from hand-held unit through optional manual shut-off
- Simple, intuitive operation
- With soft start and active brake
- The mapping of the grinding processes or operations is made possible by storing up to 6 (5 memory locations + key "F") different speeds. The speeds are freely programmable and electronically controlled.
- Perfect grinding pattern thanks to electronically controlled speed
- Large LED display to enable the speed to be seen easily
- Automatic detection when step switch / foot switch is connected.
- Choice of 3 models:
 - F:** with base plate
 - HM:** with hanging attachment
 - STM:** trolley mounted

Applications

Grinding, cutting, roughing, descaling, polishing, brushing, etc. For heavy duty work in foundries, in boilermaking and steel fabrication, in mechanical workshops, in stainless steel processing companies.



Technical data

Type	Voltage	Frequency	Connection for Flexible Shaft	Power Input	Speed	Mat.-No.
	V	Hz		kW	min ⁻¹	
F	400-480	50/60	DIN 15	4.0	500 – 10 000	101 001 454
F (USA)	400-480	50/60	DIN 15	4.0	500 – 10 000	101 001 489
STM	400-480	50/60	DIN 15	4.0	500 – 10 000	101 001 455
STM (USA)	400-480	50/60	DIN 15	4.0	500 – 10 000	101 001 513
HM	400-480	50/60	DIN 15	4.0	500 – 10 000	101 001 472
HM (USA)	400-480	50/60	DIN 15	4.0	500 – 10 000	101 001 535

Motor version Motor for 3-phase alternating current
Protection rating Protection rating 1
Protection class IP 45
Features Overload protection

Possible combinations

ROTOmax 4.2
4.00 kW

DIN 15

NA 10 × 2000 100049979
DIN 15 / G 28 030 027 03

NA 12 × 2000 100049987
DIN 15 / G 28 030 030 02

NA 15 × 2000 100049990
DIN 15 / G 35 030 032 02

BSG 15/63 100052766 / 010 635 01

SAM 1:1 100052753 / 010 443 01

G 28

FH 10 INOX (6mm) 100035059
110 232 01

WI 10 (6mm) 100046615
057 645 03

WI 10-45° (6mm) 100045265
057 662 03

WB 10 100035050
110 222 01

G 28

FH 12 INOX (12mm) 100035060
110 233 01

NA 12 100047048
BSG 10/50 052 630 01

NA 12 100045479
FSM 1:1 057 891 01

FTM 100035051
110 223 01

SWH G 28 100035066
110 237 01

G 35

FH 15 (12mm) 100052746
010 331 01

WH 12 (MK 1) 100052743
010 330 01

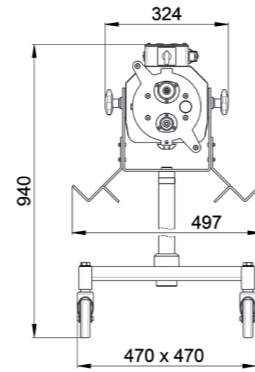
WH 15 (MK 2) 100052751
010 340 01

Foot switch 2/4 R with protective cover
On/Off
110 266 01
100035126

Foot switch 2/4 T with protective cover
Push-button function
110 267 01
100035127

3-phase alternating current

ROTOmax 4.2 TWIN




- Connection of two flexible shafts possible:
DIN 15 connector: speed 500 - 9 700 min⁻¹
DIN 10 connector: speed 500 - 24 300 min⁻¹
- Stable high-power motor and robust metal housing
- Can be controlled from hand-held unit through optional manual shut-off
- With soft start and brake
- Simple, intuitive operation
- The mapping of the grinding processes or operations is made possible by storing up to 12 (2 x 5 memory locations + 2 x key "F") different speeds.
The speeds are freely programmable and electronically controlled.
- Perfect grinding pattern thanks to electronically controlled speed
- Large LED display to enable the speed to be seen easily
- Automatic detection when step switch / foot switch is connected.
- Trolley mounted
- Design:
STM: with mobile stand

Applications

Grinding, cutting, roughing, descaling, polishing, brushing, etc. For heavy duty work in foundries, in boilermaking and steel fabrication, in mechanical workshops, in stainless steel processing companies.



Technical data

Type	Voltage	Frequency	Connection for Flexible Shaft	Power Input	Speed	ID-No.	Mat.-No.
	V	Hz		kW	min ⁻¹		
 STM	400-480	50/60	DIN 10 / DIN 15	4.0	500 - 24 300	110 280 02	100 035 148
STM (USA)	400-480	50/60	DIN 10 / DIN 15	4.0	500 - 24 300		101 001 657

Motor version Motor for 3-phase alternating current
Protection rating Protection rating 1
Protection class IP 45
Features Overload protection

Possible combinations

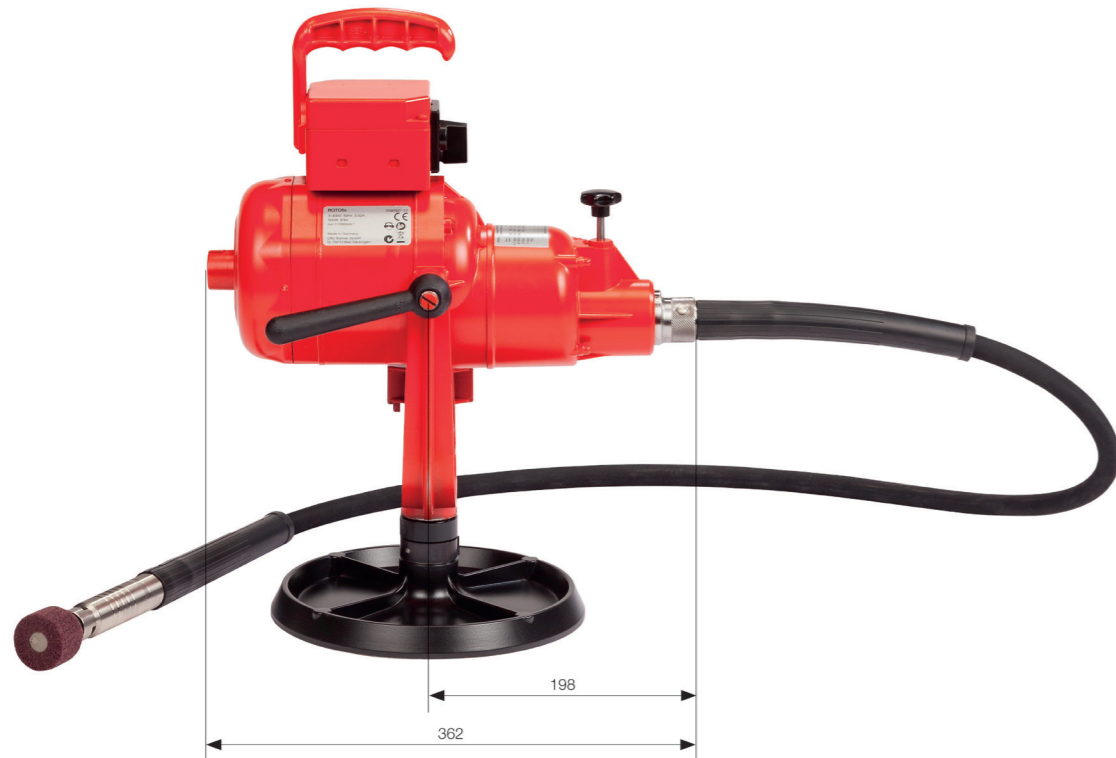
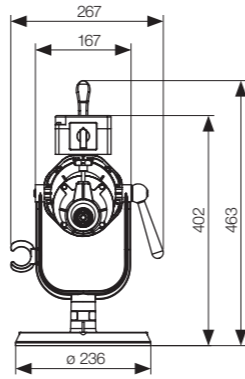
ROTOmax 4.2 TWIN
4.00 kW

Flexible Shaft	Part No.	Grinding Wheel / Accessory	Part No.
DIN 10 / G 22	100049962 / 030 007 02	FH 7 INOX (6mm)	100035064 / 110 235 01
		WI 7 (6mm)	100046613 / 057 645 01
		WI 7-45° (6mm)	100045263 / 057 662 01
		WB 7	100035049 / 110 221 01
DIN 10 / G 28	100049972 / 030 026 03	FH 10 INOX (6mm)	100035059 / 110 232 01
		WI 10 (6mm)	100046615 / 057 645 03
		WI 10-45° (6mm)	100045265 / 057 662 03
		WB 10	100035050 / 110 222 01
DIN 15 / G 28	100049987 / 030 030 02	FH 12 INOX (12mm)	100035060 / 110 233 01
		NA 12	100047048
		BSG 10/50	052 630 01
		FSM 1:1	100045479 / 057 891 01
DIN 15 / G 35	100049990 / 030 032 02	FTM	100035051 / 110 223 01
		SWG G 28	100035066 / 110 237 01
		FH 15 (12mm)	100052746 / 010 331 01
DIN 15 / G 35	100052753 / 010 443 01	WH 12 (MK 1)	100052743 / 010 330 01
		WH 15 (MK 2)	100052751 / 010 340 01
		SAM 1:1	100052753 / 010 443 01

Foot Switch	Part No.
Foot switch 2/4 R with protective cover On/Off	110 266 01 / 100035126
Foot switch 2/4 T with protective cover Push-button function	110 267 01 / 100035127

3-phase alternating current

ROTOfix



- Gear driven machine with 5 speeds
- Extremely rugged design enables trouble-free working
- Multi-purpose application with a large selection of Suhner high quality accessories
- Choice of 3 designs:
 - F:** with base plate
 - HM:** with suspension device
 - STM:** with mobile stand

Applications

Grinding, cutting, brushing, polishing and drilling, for light to medium heavy work in pattern and toolmaking, in mechanical workshops, the shoe and glass industries.



Technical data

Type	Voltage	Fre- quency	Connection for Flexible Shaft	Power Input	Speed levels	ID-No.	Mat.-No.
	V	Hz		kW	min ⁻¹		
	400	50	G 28	0.5	750; 1 400; 3 000; 6 300; 11 000	110 007 01	100 036 204
	400	50	DIN 10	0.5	750; 1 400; 3 000; 6 300; 11 000	110 008 07	100 036 207
	400	50	G 28	0.5	750; 1 400; 3 000; 6 300; 11 000	110 011 01	100 036 210
	400	50	DIN 10	0.5	750; 1 400; 3 000; 6 300; 11 000	110 012 07	100 036 211
	400	50	DIN 10	0.5	750; 1 400; 3 000; 6 300; 11 000	110 010 28	100 036 209

Motor version Motor for 3-phase alternating current
Protection rating Protection rating 1
Protection class IP 44

Standard equipment

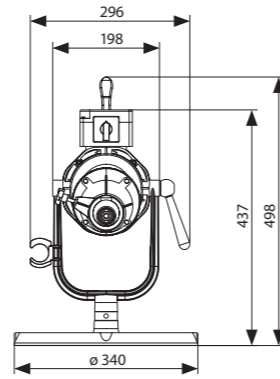
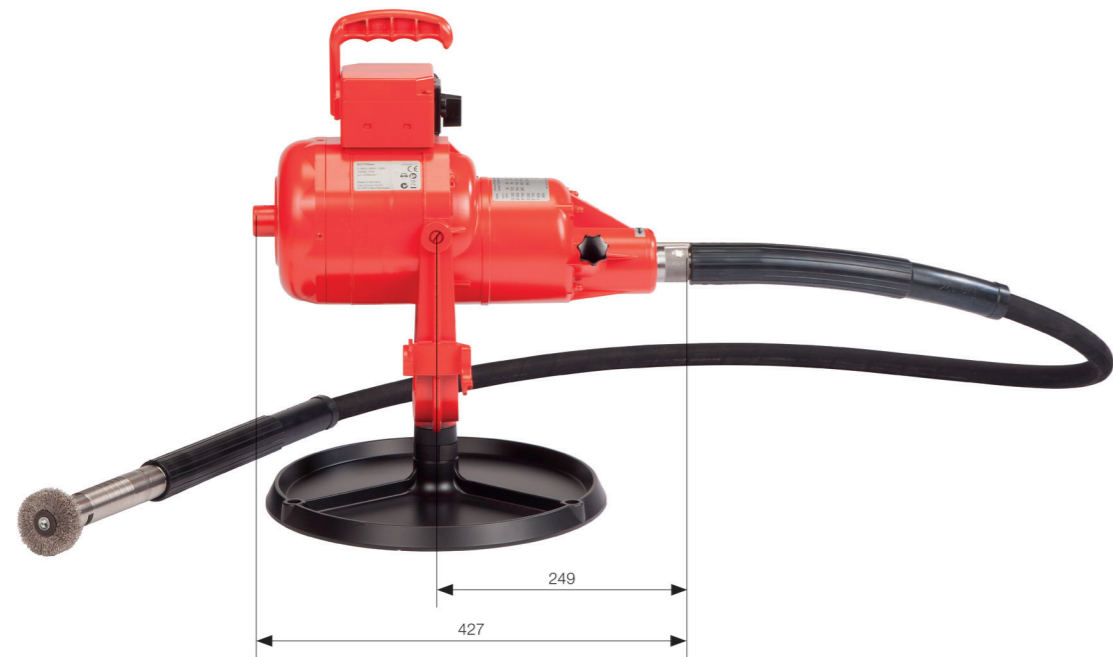
cable, 3m
 With built-on switch
 With carrying handle

Possible combinations

 ROTOfix G 28 0,50 kW	— G 28	 NA 4 x 1250 030 001 02 G 28/G 16 100 049 960	— G 16	 FH 4 INOX (6mm) 110 234 01 100 035 062
		 NA 7 x 1500 030 009 02 G 28/G 22 100 049 965	— G 22	 FH 7 INOX (6mm) 110 235 01 100 035 064
		 RG 1:3 G 28 010 510 01 100 052 761		 WI 4 (3mm) 057 661 01 100 045 259
 ROTOfix DIN 10 0,50 kW	— DIN 10	 NA 4 x 1250 030 002 02 DIN 10/G 16 100 049 961	— G 16	 WB 4 110 220 01 100 035 048
		 NA 7 x 1500 030 007 02 DIN 10/G 22 100 049 962	— G 22	 FH 7 INOX (6mm) 110 235 01 100 035 064
		 RG 1:3 DIN 10 010 510 03 100 052 762		 WI 7 (6mm) 057 645 01 100 046 613
				 WB 7 110 221 01 100 035 049

3-phase alternating current

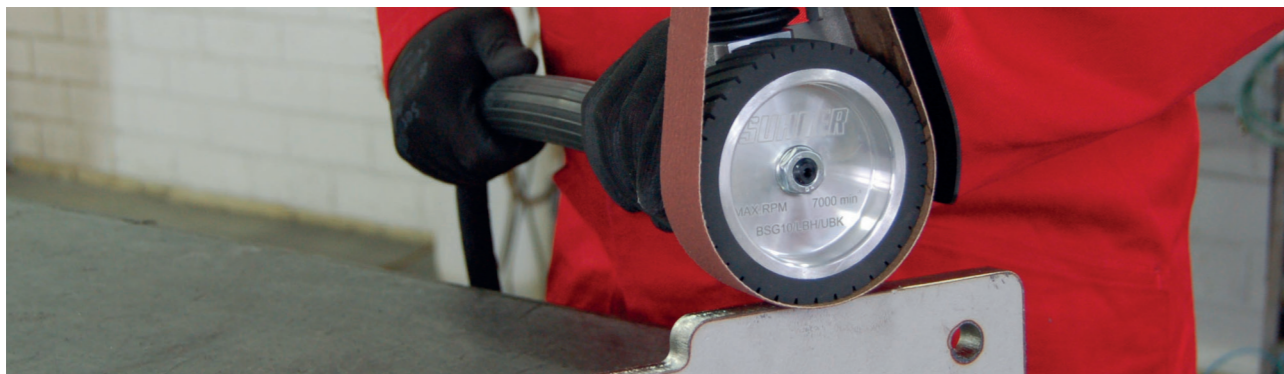
ROTOfera



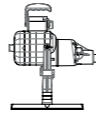
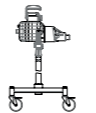

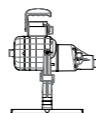
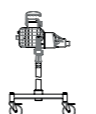
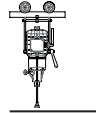
- Gear driven machine with 7 speeds – saves on energy and costs
- Long life and maximum performance with 1,00 kW three phase motor
- Versatile multipurpose machine, supported with the full range of Suhner quality accessories
- Solid aluminium housing for troublefree industrial use
- Choice of 3 models:
 - F:** with base plate
 - HM:** with hanging attachment
 - STM:** trolley mounted

Applications

Cutting, roughing, grinding, milling, descaling, brushing and polishing, for demanding jobs in mechanical workshops, for metalworking, pattern and toolmaking, processing stainless steel (food processing and hospital equipment).



Technical data



Type	Voltage	Frequency	Connection for Flexible Shaft	Power Input	Speed levels	ID-No.	Mat.-No.	
	V	Hz		kW	min ⁻¹			
	F	400	50	G 28	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 019 01	100 036 212
	F	400	50	DIN 10	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 020 07	100 036 216
	F	42	50	G 28	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 019 05	100 036 214
	F	42	50	DIN 10	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 020 10	100 036 217
	STM	400	50	G 28	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 023 01	100 036 223
	STM	400	50	DIN 10	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 024 07	100 036 226
	STM	42	50	G 28	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 023 26	100 036 225
	STM	42	50	DIN 10	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 024 09	100 036 227
	HM	400	50	DIN 10	1.0	850; 1 600; 2 100; 3 200; 5 700; 8 000; 12 000	110 022 28	100 036 222
	F	230	60	G 28	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 184 18	100 034 969
	F	460	60	G 28	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 187 17	100 034 972
	F	230	60	DIN 10	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 184 23	100 034 970
	F	460	60	DIN 10	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 187 24	100 034 973
	STM	230	60	G 28	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 185 26	110 185 26
	STM	460	60	G 28	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 188 25	110 188 25
	STM	460	60	DIN 10	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 188 21	100 034 974
	STM	230	60	DIN 10	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 185 23	100 034 971
	HM	230	60	DIN 10	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 186 28	110 186 28
	HM	460	60	DIN 10	1.2	1 100; 2 000; 2 700; 4 000; 7 100; 9 800; 14 600	110 189 29	110 189 29

Motor version Motor for 3-phase alternating current
Protection rating Protection rating 1
Protection class IP 44

Standard equipment

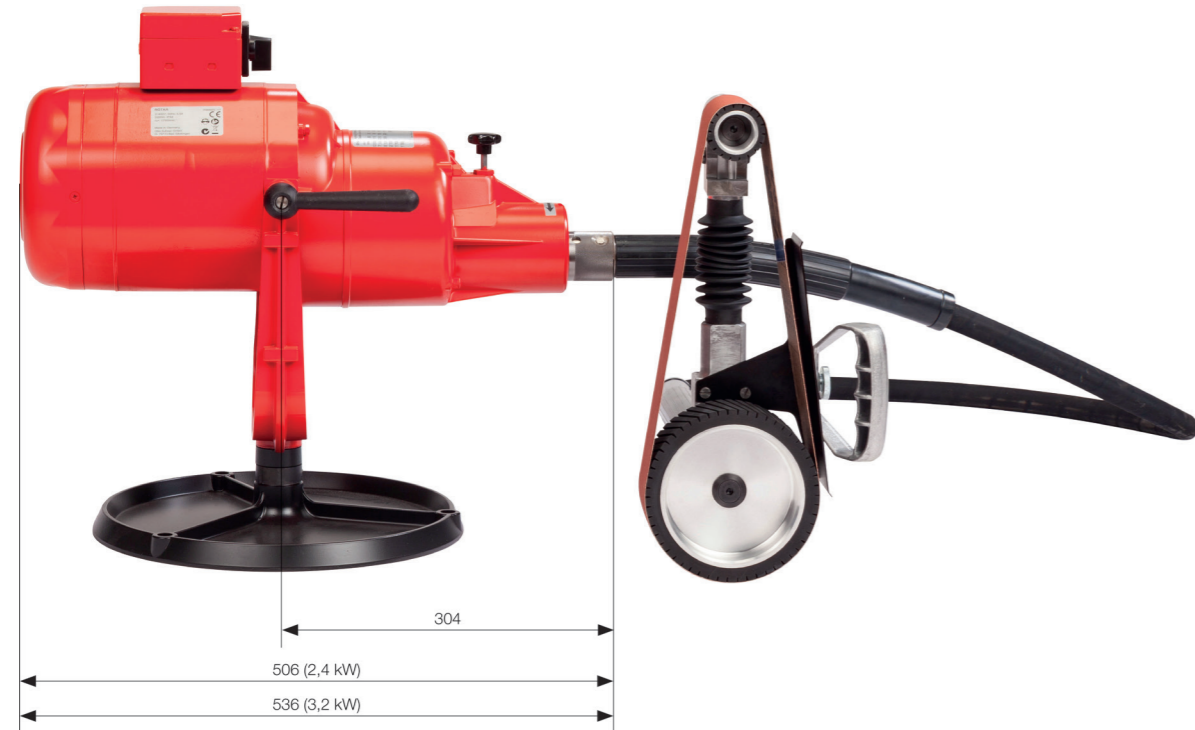
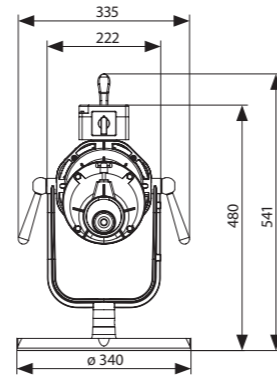
- Cable
- With built-on switch
- With carrying handle

Possible combinations

 ROTOfera G 28 1,00 kW	G 28	NA 10 x 1500 030 015 02 100 049 966	G 28	FH 10 INOX (6mm) 110 232 01 100 035 059
		NA 10 x 2000 030 015 03 100 049 967		WIG 10 300 090 00 100 026 964
		NA 12 x 2000 030 028 02 100 049 982		FSM 1:1* 057 891 01 100 045 479
 ROTOfera DIN 10 1,00 kW	DIN 10	RG 1:3 G 28 010 510 01 100 052 761	G 28	FTM 110 223 01 100 035 051
		NA 10 x 1500 030 026 02 100 049 971		FH 12 INOX (6mm) 110 233 01 100 035 060
		NA 10 x 2000 030 028 03 100 049 972		SWH G 28 110 237 01 100 035 069
Gear attachment RG	G 28	NA 12 x 2000 030 029 02 100 049 984	G 28	WI 10 (6mm) 057 645 03 100 046 615
		NA 10 x 2000 030 028 03 100 049 972		WB 10 110 222 01 100 035 050
		NA 12 x 2000 030 029 02 100 049 984		BSG 10/50* 052 630 01 100 047 048
Gear attachment RG	RG 1:3 DIN 10 010 510 03 100 052 762	*only with NA 12		

3-phase alternating current

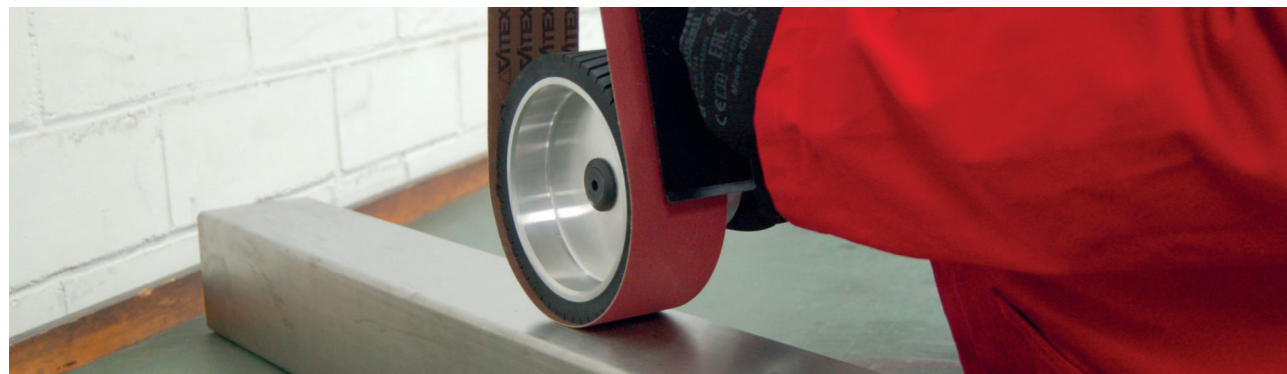
ROTAR 2.4 kW



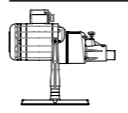
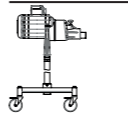
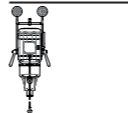
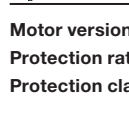
- Gear driven machine with 6 speeds
- Perfect for heavy duty applications
- Straightforward multipurpose machine, combined with the wide range of Suhner high quality accessories
- Choice of 3 models: F: with base plate HM: with hanging attachment STM: trolley mounted

Applications

Grinding, cutting, roughing, descaling, polishing, brushing, etc., for heavy duty work in foundries, boilermaking and steel fabrication, mechanical workshops, stainless steel processing.



Technical data

Type	Voltage	Frequency	Connection for Flexible Shaft	Power Input	Speed levels	ID-No.	Mat.-No.
	V	Hz		kW	min ⁻¹		
 F	400	50	DIN 15	2.4	1 000; 1 700; 2 700; 5 100; 7 300; 13 500	110 032 01	100 036 230
 F	42	50	DIN 15	2.4	1 000; 1 700; 2 700; 5 100; 7 300; 13 500	110 032 04	100 036 232
 STM	400	50	DIN 15	2.4	1 000; 1 700; 2 700; 5 100; 7 300; 13 500	110 031 01	100 036 229
 HM	400	50	DIN 15	2.4	1 000; 1 700; 2 700; 5 100; 7 300; 13 500	110 033 17	100 036 235

Motor version Motor for 3-phase alternating current
Protection rating Protection rating 1
Protection class IP 44

Standard equipment

Cable
 Star-delta switch

Possible combinations

ROTAR
2,40 kW/3,20 kW

DIN 15

G 28

NA 10 x 2000 DIN 15/G 28	030 027 03 100 049 979		FH 12 INOX (12mm) 110 233 01 100 035 060
NA 12 x 2000 DIN 15/G 28	030 030 02 100 049 987		SWH G 28 110 237 01 100 035 066
NA 15 x 2000 DIN 15/G 35	030 032 02 100 049 990		FSM 1:1 057 891 01 100 045 479
BSG 15/63	010 635 01 100 052 766		FTM 110 223 01 100 035 051
SAM 1:1	010 443 01 100 052 753		BSG 10/50 052 630 01 100 047 048

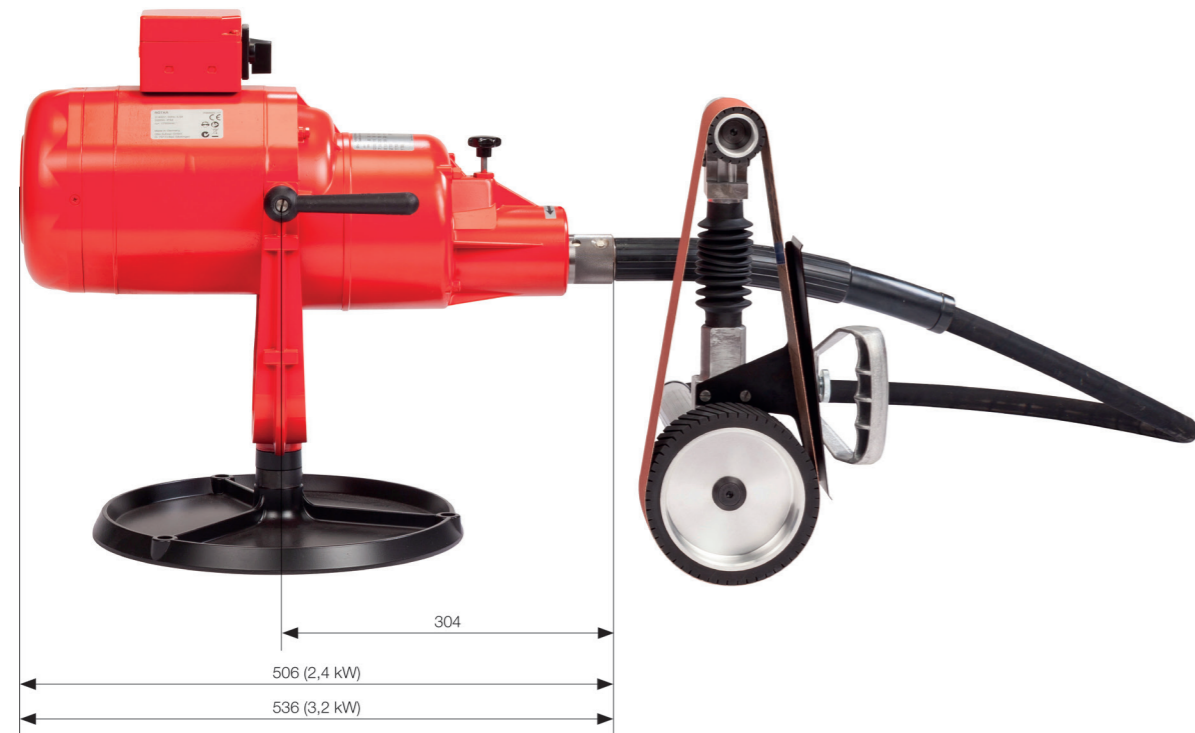
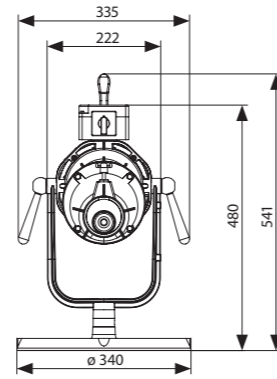
G 35

FH 15 (12mm)	010 331 01 100 052 746	
WH 12 (MK 1)	010 330 01 100 052 743	
WH 15 (MK 2)	010 340 01 100 052 751	



3-phase alternating current

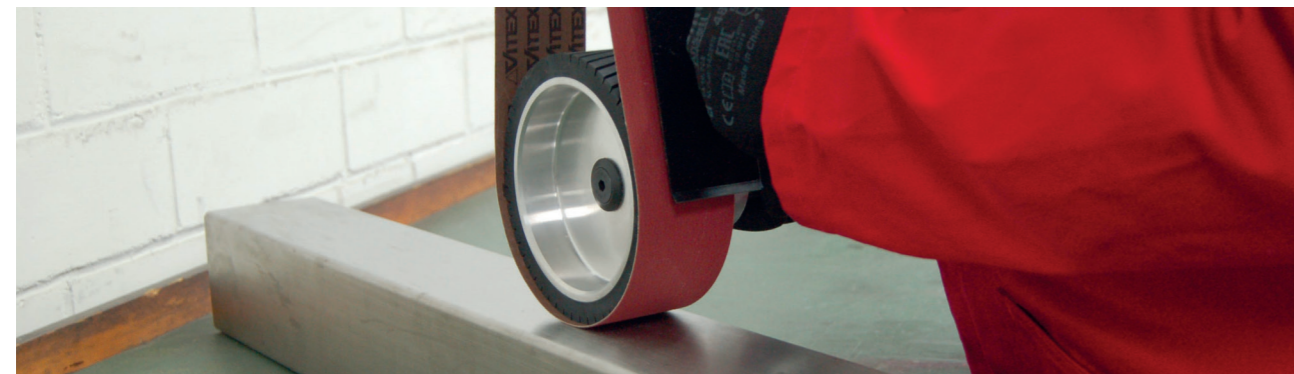
ROTAR 3.2 kW



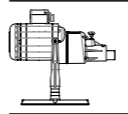
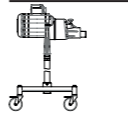
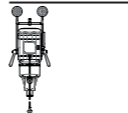
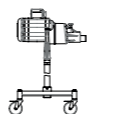

- Gear driven machine with 6 speeds
- Perfect for heavy duty applications
- Straightforward multipurpose machine, combined with the wide range of Suhner high quality accessories
- Choice of 3 models:
 - F:** with base plate
 - HM:** with hanging attachment
 - STM:** trolley mounted

Applications

Grinding, cutting, roughing, descaling, polishing, brushing, etc., for heavy duty work in foundries, boilermaking and steel fabrication, mechanical workshops, stainless steel processing.



Technical data

Type	Voltage V	Fre- quency Hz	Connection for Flexible Shaft	Power Input kW	Speed levels min ⁻¹	ID-No.	Mat.-No.
 F	400	50	DIN 15	3.2	1 000; 1 700; 2 700; 5 100; 7 300; 13 500	110 035 07	100 036 237
 STM	400	50	DIN 15	3.2	1 000; 1 700; 2 700; 5 100; 7 300; 13 500	110 034 07	100 036 236
 HM	400	50	DIN 15	3.2	1 000; 1 700; 2 700; 5 100; 7 300; 13 500	110 036 18	100 036 239
F	230	60	DIN 15	3.8	1 300; 2 100; 3 400; 6 400; 9 000; 17 000	110 095 20	100 035 009
F	460	60	DIN 15	3.8	1 300; 2 100; 3 400; 6 400; 9 000; 17 000	110 095 21	100 035 010
 STM	230	60	DIN 15	3.8	1 300; 2 100; 3 400; 6 400; 9 000; 17 000	110 097 20	110 097 20
 STM	460	60	DIN 15	3.8	1 300; 2 100; 3 400; 6 400; 9 000; 17 000	110 097 19	110 097 19
HM	230	60	DIN 15	3.8	1 300; 2 100; 3 400; 6 400; 9 000; 17 000	110 099 22	110 099 22
HM	460	60	DIN 15	3.8	1 300; 2 100; 3 400; 6 400; 9 000; 17 000	110 099 21	110 099 21

Motor version Motor for 3-phase alternating current
Protection rating Protection rating 1
Protection class IP 44

Standard equipment

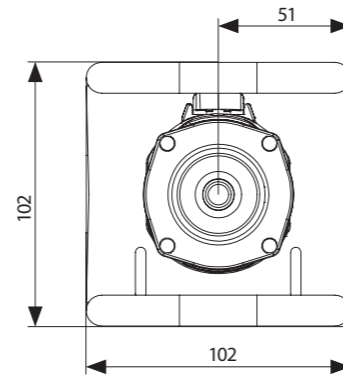
3m cable,
Star-delta switch

Possible combinations

Accessories	Part No.
NA 10 x 2000	030 027 03
DIN 15/G 28	100 049 979
NA 12 x 2000	030 030 02
DIN 15/G 28	100 049 987
NA 15 x 2000	030 032 02
DIN 15/G 35	100 049 990
BSG 15/63	010 635 01 100 052 766
SAM 1:1	010 443 01 100 052 753
G 28	
FH 12 INOX (12mm)	110 233 01 100 035 060
SWH G 28	110 237 01 100 035 066
FSM 1:1	057 891 01 100 045 479
FTM	110 223 01 100 035 051
BSG 10/50	052 630 01 100 047 048
G 35	
FH 15 (12mm)	010 331 01 100 052 746
WH 12 (MK 1)	010 330 01 100 052 743
WH 15 (MK 2)	010 340 01 100 052 751

Single phase AC current

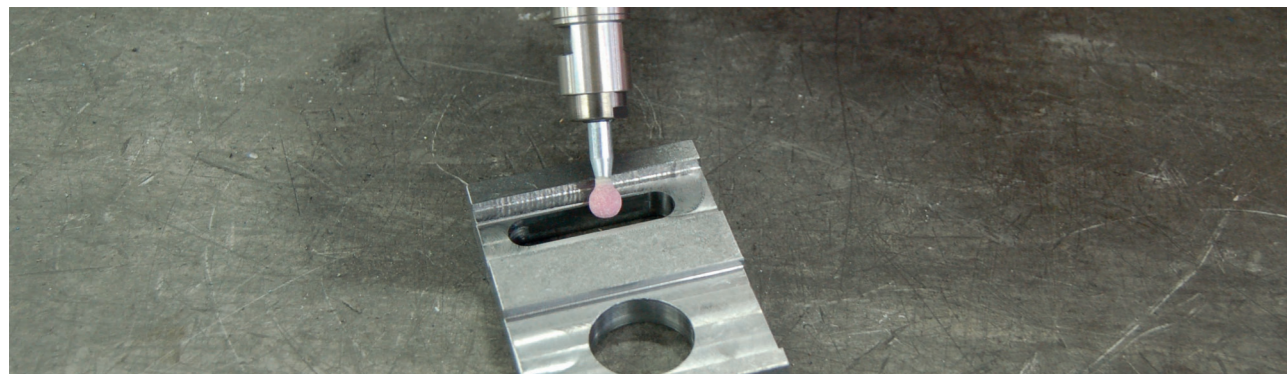
MINIFix 25-R



- Light weight and compact, guarantees work without operators fatigue
- Delicate right angle and straight handpieces for optimal application use
- Integral tacho variable speed selector
- Overload cut-out integrated
- Undervoltage protection. Unintentional activation following a voltage interruption, even with the machine on, is impossible
- Warning light when carbon brushes are worn: LED (at the back of the black case) lights up as soon as the carbon brushes need changing.

Applications

Tool and patternmaking, aerospace and aircraft industry, precision mold and die-maker shops, engine tuning, dental labs, wood modeling, glass engraving, etc. for use with tungsten carbide burrs, mounted points, flap wheels (up to ø 40 mm), circular wire brushes (up to ø 40 mm), polishing bobs, felt polishing bobs, nonwoven fibre brushes, reinforced, heavy duty nonwoven fibre discs.



Technical data

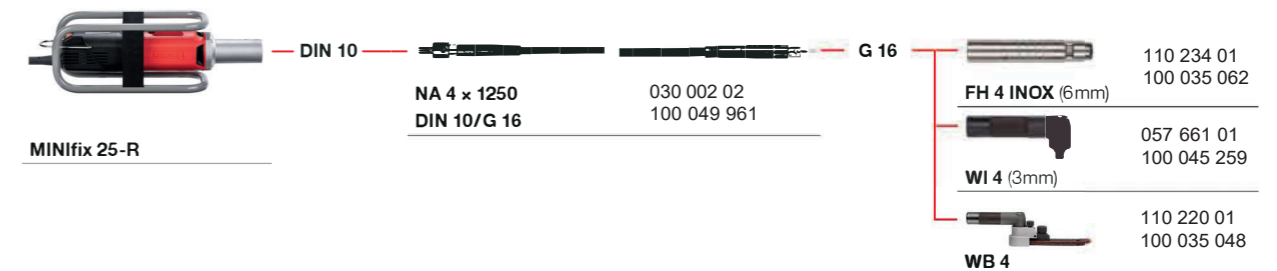
Type	Voltage	Fre- quency	Connection for Flexible Shaft	Power Input	Speed	Plug	ID-No.	Mat.-No.
	V	Hz		W	min ⁻¹			
MINIFix 25-R	230	50	DIN 10	600	11 000 – 25 000	VDE	110 262 01	100 035 119
MINIFix 25-R	230	50	DIN 10	600	11 000 – 25 000	SEV	110 262 02	100 035 120
MINIFix 25-R	120	60	DIN 10	600	11 000 – 25 000	USA	110 263 03	100 035 121
MINIFix 25-R SET	230	50	DIN 10	600	11 000 – 25 000	VDE	110 153 11	100 035 037
MINIFix 25-R SET	230	50	DIN 10	600	11 000 – 25 000	SEV	110 153 12	100 054 605
MINIFix 25-R SET	120	60	DIN 10	600	11 000 – 25 000	USA	110 154 13	110 154 13

Motor version 1-phase AC motor
Protection rating Protection rating 2

Standard equipment

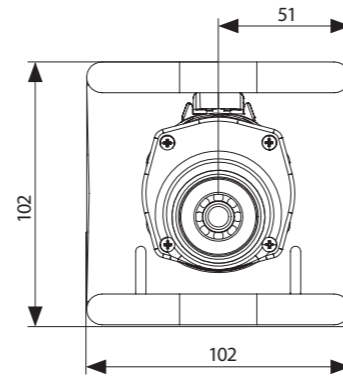
Cable with plug
 2 x Locking pins type 10
 Set consisting of: Insulated drive motor, 3 m cable plus plug, flexible shaft NA 4 x 1 250 mm DIN 10 / G 16, handpiece FH 4 with collet 6 mm. Tool set: 1 each vitrified bonded shaped grinding wheel K 0 816 V, B 1303 V, F 0 808 V, 1 set of wrenches, in metal case.

Possible combinations



Single phase AC current

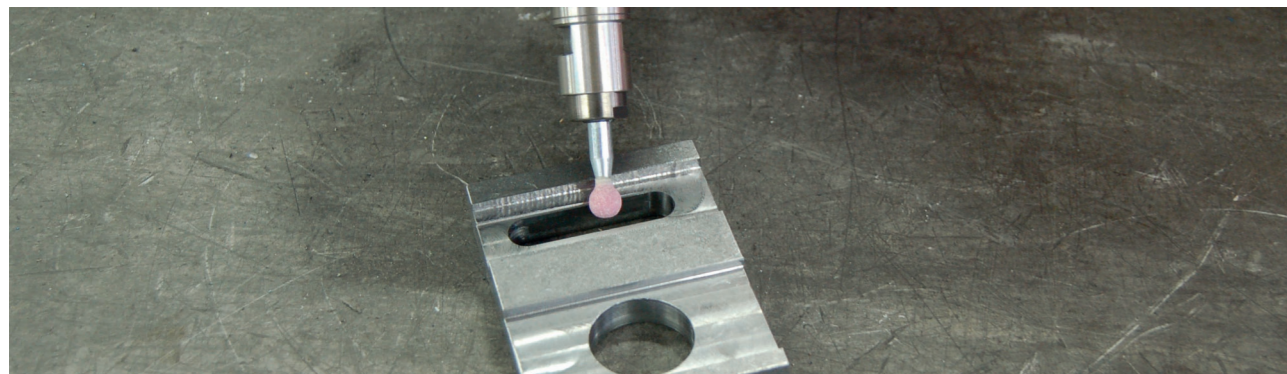
MINIFix 9-R



- Light weight and compact, guarantees work without operators fatigue
- Delicate right angle and straight handpieces for optimal application use
- Integral tacho variable speed selector
- Overload cut-out integrated
- Undervoltage protection. Unintentional activation following a voltage interruption, even with the machine on, is impossible
- Warning light when carbon brushes are worn: LED (at the back of the black case) lights up as soon as the carbon brushes need changing.

Applications

Tool and patternmaking, aerospace and aircraft industry, precision mold and die-maker shops, engine tuning, dental labs, wood modeling, glass engraving, etc. for use with tungsten carbide burrs, mounted points, flap wheels (up to ø 40 mm), circular wire brushes (up to ø 40 mm), polishing bobs, felt polishing bobs, nonwoven fibre brushes, reinforced, heavy duty nonwoven fibre discs.



Technical data

Type	Voltage	Frequency	Connection for Flexible Shaft	Power Input	Speed	Plug	ID-No.	Mat.-No.
	V	Hz		W	min ⁻¹			
MINIFix 9-R	230	50	DIN 10	600	4 000 – 9 000	VDE	110 260 01	100 035 115
MINIFix 9-R	230	50	DIN 10	600	4 000 – 9 000	SEV	110 260 02	100 035 116
MINIFix 9-R	120	60	DIN 10	600	4 000 – 9 000	USA	110 261 03	100 035 117

Motor version 1-phase AC motor
Protection rating Protection rating 2

Standard equipment

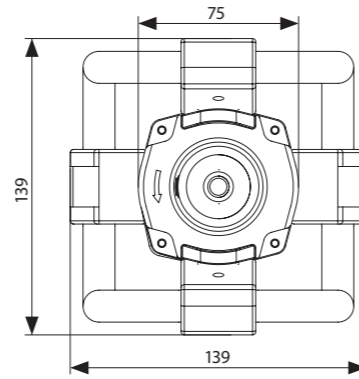
Cable with plug
 2 x Locking pins type 10

Possible combinations

Handpiece	Code	Material No.
NA 7 x 1500 (DIN 10/G 22)	030 007 02	100 049 962
FH 7 INOX (6mm)	110 235 01	100 035 064
WI 7 (6mm)	057 645 01	100 046 613
WI 7-45° (6mm)	057 662 01	100 045 263

Single phase AC current

ROTOset 25-R




- High performance machine with universal motor
- Motor in anti-vibration mounting
- Integral tacho variable speed selector
- Tacho variable speed selector, for constant speed
- Soft-start for jolt free work
- Overload protection, undervoltage and restart protection

Applications

Grinding, milling, roughing, cutting, brushing and polishing, for precision engineering, tool and patternmaking, engine tuning, assembly work.



Technical data

Type	Voltage	Fre- quency	Connec- tion for Flexible Shaft	Power Input	Speed	Plug	ID-No.	Mat.-No.
	V	Hz		W	min ⁻¹			
ROTOset 25-R	230	50	DIN 10	1000	11 000 – 25 000	SEV	110 152 21	100 035 033
ROTOset 25-R	230	50	DIN 10	1000	11 000 – 25 000	VDE	110 152 22	100 035 034
ROTOset 25-R	120	60	DIN 10	1000	11 000 – 25 000	USA	110 151 26	100 035 032
 ROTOset 25-R SET	230	50	DIN 10	1000	11 000 – 25 000	SEV	110 159 21	100 034 945
ROTOset 25-R SET	230	50	DIN 10	1000	11 000 – 25 000	VDE	110 159 22	100 034 946

Motor version 1-phase AC motor
Protection rating Protection rating 2

Standard equipment

Cable with plug
 2 x Locking pins type 10
 Set consisting of: Universal motor, insulated, with combined foot and suspension bracket, 3 m cable and plug. Flexible shaft NA 7 x 2 000 mm, DIN 10 / G 22
 handpiece FH 7 with collet 6 mm
 angle grinder TIG 7 (reduction ratio 2.7:1) with protective cover and flange for roughing and cutting discs 115 mm ø. Tool set: 1 roughing disc 115 mm ø, 1 cutting disc 115 mm ø, 1 steel wire cup brush TDB 70, 70 mm ø, 1 plastic grinding disc type FSS 110, 2 corundum fiber discs type KFS 115 VS grit 60 and 120, 1 set of wrenches, robust metal case.

Possible combinations

Accessory	Part No.
FH 7 INOX (6mm)	100035064 110 235 01
WI 7 (6mm)	100046613 057 645 01
WI 7-45° (6mm)	100045263 057 662 01
WIG 7 2,7:1	100048482 049 608 04
WB 7	100035049 110 221 01

Straight toolholders with collet

FH

- The right toolholder for every job
- For connecting to all Suhrer flexible shafts
- Processing of deeper welded seams possible
- Elastic bearings for low-vibration work (FH 4 / 7 / 9 / 10 / 12)
- Built-in high precision sealed ball bearings, permanent lubrication
- Sleeve made of stainless steel (FH 4 / 7 / 10 / 12)
- Locking spanners, ball bearings, sealed for life

FH									
	Type	max. Speed	Connection for Flexible Shaft	Length	Collet	Dia-meter	ID-No.	Mat.-No.	
		min ⁻¹		mm	mm	mm			
	FH 4-INOX	40 000	G 16	107	6	20	110 234 01	100 035 062	1
	FH 7-INOX	25 000	G 22	128	6	27	110 235 01	100 035 064	1
	FH 9-INOX	18 000	G 28	156	6	33	110 276 01	100 035 139	1
	FH 10-INOX	18 000	G 28	165	6	33	110 232 01	100 035 059	1
	FH 12-INOX	18 000	G 28	165	12	33	110 233 01	100 035 060	1
	FH 15	10 000	G 35	217	12	44	010 331 01	100 052 746	1

Accessories Collet

Type	For use with	Bore mm	Bore INCH	ID-No.	Mat.-No.	
SPZ 1/8"	▶ FH 4 INOX	3.175	1/8	014 900 19	100 051 793	1
SPZ 1/4"	▶ FH 10 INOX ▶ FH 12 INOX ▶ FH 15	6.4	1/4	014 902 10	100 051 801	1
SPZ 3/32"	▶ FH 7 INOX ▶ FH 9 INOX ▶ FH 10-L ▶ SWH SPZ	2.34	3/32	014 909 09	100 051 810	1
SPZ 1/4"	▶ FH 4 INOX	6.4	1/4	014 900 20	100 051 794	1
SPZ 3/8"	▶ FH 10 INOX ▶ FH 12 INOX ▶ FH 15	9.5	3/8	014 902 11	100 051 802	1
SPZ 1/8"	▶ FH 7 INOX ▶ FH 9 INOX ▶ FH 10-L ▶ SWH SPZ	3.175	1/8	014 909 27	100 051 827	1
SPZ 3 mm	▶ FH 4 INOX	3	0.12	014 900 11	100 051 786	1
SPZ 3 mm	▶ FH 10 INOX ▶ FH 12 INOX ▶ FH 15	3	0.12	014 902 01	100 051 796	1
SPZ 1/4"	▶ FH 7 INOX ▶ FH 9 INOX ▶ FH 10-L ▶ SWH SPZ	6.4	1/4	014 909 26	100 051 826	1
SPZ 6 mm	▶ FH 4 INOX	6.0	0.24	014 900 18	100 051 792	1
SPZ 6 mm	▶ FH 10 INOX ▶ FH 12 INOX ▶ FH 15	6	0.24	014 902 04	100 051 797	1
SPZ 3 mm	▶ FH 7 INOX ▶ FH 9 INOX ▶ FH 10-L ▶ SWH SPZ	3.0	0.12	014 909 12	100 051 812	1
SPZ 8 mm	▶ FH 10 INOX ▶ FH 12 INOX ▶ FH 15	8	0.32	014 902 06	100 051 798	1
SPZ 6 mm	▶ FH 7 INOX ▶ FH 9 INOX ▶ FH 10-L ▶ SWH SPZ	6.0	0.24	014 909 19	100 051 819	1
SPZ 10 mm	▶ FH 10 INOX ▶ FH 12 INOX ▶ FH 15	10	0.40	014 902 08	100 051 799	1
SPZ 8 mm	▶ FH 7 INOX ▶ FH 9 INOX ▶ FH 10-L ▶ SWH SPZ	8.0	0.32	014 909 23	100 051 823	1
SPZ 12 mm	▶ FH 10 INOX ▶ FH 12 INOX ▶ FH 15	12	0.47	014 902 09	100 051 800	1



Straight toolholders extra long version

FH 10-L

- The right toolholder for every job
- For connecting to all Suhner flexible shafts with connection G 28
- Processing of deeper welded seams possible
- Built-in high precision sealed ball bearings, permanent lubrication
- Preformable toolholder extension: the answer where access is difficult
- Locking spanners, ball bearings, sealed for life
- Extra long version. The neck can be bent for working on otherwise inaccessible places.
- Can be bent once. Minimum bending radius R 250 mm. Maximum angle 45°.

FH 10-L									
Type	max. Speed	Connection for Flexible Shaft	Length	Collet	Dia-meter	ID-No.	Mat.-No.		
	min ⁻¹		mm	mm	mm				
FH 10-L (545 mm)	12 000	G 28	545	6	36	110 258 11	100 035 105	1	
FH 10-L (750 mm)	12 000	G 28	750	6	36	110 258 02	100 035 098	1	
FH 10-L (1000 mm)	12 000	G 28	1000	6	36	110 258 03	100 035 099	1	
FH 10-L (1250 mm)	12 000	G 28	1250	6	36	110 258 04	100 035 100	1	
FH 10-L (1500 mm)	12 000	G 28	1500	6	36	110 258 05	100 035 101	1	
FH 10-L (1750 mm)	12 000	G 28	1750	6	36	110 258 06	100 035 102	1	
FH 10-L (2000 mm)	12 000	G 28	2000	6	36	110 258 07	100 035 103	1	
FH 10-L (2500 mm)	12 000	G 28	2500	6	36	110 258 08	100 035 104	1	

Accessories Collet						
Type	For use with	Bore mm	Bore INCH	ID-No.	Mat.-No.	
SPZ 3/32"		2.34	3/32	014 909 09	100 051 810	1
SPZ 1/8"		3.175	1/8	014 909 27	100 051 827	1
SPZ 1/4"	▶ FH 7 INOX ▶ FH 9 INOX	6.4	1/4	014 909 26	100 051 826	1
SPZ 3 mm	▶ FH 10-L ▶ SWH SPZ	3.0	0.12	014 909 12	100 051 812	1
SPZ 6 mm		6.0	0.24	014 909 19	100 051 819	1
SPZ 8 mm		8.0	0.32	014 909 23	100 051 823	1

Straight toolholders with flange

WS 10

- The right toolholder for every job
- For connecting to all Suhner flexible shafts with connection G 28
- Processing of deeper welded seams possible
- Built-in high precision sealed ball bearings, permanent lubrication



WS 10									
Type	max. Speed	Connection for Flexible Shaft	Length	max. Tool width	Dia-meter	ID-No.	Mat.-No.		
	min ⁻¹		mm	mm	mm				
WS 10	12 000	G 28	146	22	33	010 332 01	100 052 749	1	








Straight toolholder with MK receptacle

WH




- Straight handpieces with morse taper shank for optimum force-closing connection
- For connecting to Suhner flexible shafts
- All toolholders with high precision, sealed ball bearings, permanent lubrication
- Rugged construction for continuous trouble-free use
- Precision, true-running toolholders guarantee vibration-free operation
- Outer handpiece (AH 12/15) for two-hand guidance together with (WH 12/15)
- Equipped with Suhner slide coupling and quick connector
- **WH 12:** Mounting nut M 16 x 1
- **WH 15:** Mounting nut M 20 x 1,25

WH									
	Type	max. Speed	Connection for Flexible Shaft	Length	Morsetaper	Diameter	ID-No.	Mat.-No.	
		min ⁻¹		mm		mm			
	WH 12	10 000	G 35	194	MK 1	42	010 330 01	100 052 743	1
	WH 15	5 000	G 35	208	MK 2	54	010 340 01	100 052 751	1

Accessories Overhung spindles										
	Type	For use with	Shaft	Tool diameter	Tool width	Tool width till	Tool bore	ID-No.	Mat.-No.	
			mm	mm	mm		"			
	FG MK1-5/8	▶ BSK 150/60 ▶ BSK 150/38	MK 1	150	50		5/8	014 750 01	100 051 765	1
	FDV MK2-22	▶ SS 200/30 ▶ SS 250/30 ▶ FPS 200	MK 2	200	30		22	010 759 01	100 052 779	1
	FDV MK1-14	▶ NSV 100-10 ▶ RDB 125/25 ▶ FPS 120 ▶ GSF ▶ SS 120/20	MK 1	125	20		14	020 720 01	100 052 019	1
	FDV MK1-18	▶ RDB 150/35 ▶ FPS 150 ▶ SS 150/30	MK 1	150	30	35	18	020 722 01	100 052 020	1
	FDV MK1-18	▶ RDB 178/35 ▶ FPS 175 ▶ SS 175/30	MK 1	175	35		18	020 723 01	100 052 021	1

AH


- Outer handpiece (AH 12/15) for two-hand guidance together with (WH 12/15)
- For connecting to Suhner flexible shafts
- All toolholders with high precision, sealed ball bearings, permanent lubrication
- Rugged construction for continuous trouble-free use
- Precision, true-running toolholders guarantee vibration-free operation

AH									
	Type	max. Speed	Length	Shank	Tool Diameter	Tool Width	ID-No.	Mat.-No.	
		min ⁻¹	mm		mm	mm			
	AH 12-1	10 000	327	MK 1	150	30	020 310 01	100 052 013	1
	AH 12-2	10 000	327	MK 1	175	30	020 310 02	100 052 014	1
	AH 15	5 000	355	MK 2	200	30	020 314 01	100 052 015	1

Extra heavy duty grinding toolholder

WH 13





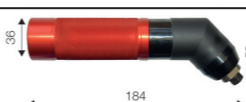
- For heavy duty industrial applications.
- Includes flanges and wheel guard.
- Tools: 175 × 30 × 18 mm


WH 13									
Type	max. Speed	Connection for Flexible Shaft	Length	Dia-meter	Spanner set	ID-No.	Mat.-No.		
	min ⁻¹		mm	mm					
 WH 13 (G35)	5 000	G 35	255	33	1 × Open end wrenches SW 17,1 × Open end wrenches SW 22,1 x Hexagon key 6	089 739 01	100 039 793	1	



Angle toolholders with collet

WI

- Processing of deeper welded seams possible
- Locking spanners, wear-resistant housing, ball bearings, bevel gear, grease lubrication
- All handpieces equipped with Suhner slide coupling and quick connector

WI									
Type	max. Speed	Connection for Flexible Shaft	Length	Collet	Dia-meter	ID-No.	Mat.-No.		
	min ⁻¹		mm	mm	mm				
 WI 4	20 000	G 16	111	3	22.5	057 661 01	100 045 259	1	
 WI 7	17 100	G 22	157	6	36	057 645 01	100 046 613	1	
 WI 10	17 100	G 28	166	6	36	057 645 03	100 046 615	1	
 WI 7-45°	17 100	G 22	175	6	36	057 662 01	100 045 263	1	
 WI 10-45°	17 100	G 28	184	6	36	057 662 03	100 045 265	1	



Accessories Collet						
Type	For use with	Bore mm	Bore INCH	ID-No.	Mat.-No.	
 SPZ 1/8"	► WI 4	3.175	1/8	057 663 02	100 045 271	1
SPZ 1/8"	► WI 7, WI 7 45°, WI 10, WI 10 45°	3.175	1/8	050 325 04	100 047 504	1
SPZ 3 mm	► WI 4	3.0	0.12	057 663 01	100 045 270	1
SPZ 1/4"	► WI 7, WI 7 45°, WI 10, WI 10 45°	6.4	1/4	050 325 02	100 047 502	1
SPZ 6 mm	► WI 4	6.0	0.24	057 663 03	100 045 272	1
SPZ 3 mm		3.0	0.12	050 325 03	100 047 503	1
SPZ 6 mm	► WI 7, WI 7 45°, WI 10, WI 10 45°	6.0	0.24	050 325 01	100 047 501	1
SPZ 8 mm		8.0	0.32	050 325 17	100 047 509	1

Type	For use with	ID-No.	Mat.-No.	
 SW 9		057 701 01	100 045 304	1
SW 11		057 701 02	100 045 305	1
 Adapter kit (Hand guard, flange screw, washer)	► WI 7 ► WI 10 ► LWC 16 - TOP ► LWC 21	097 393 01	100 040 034	1



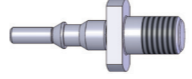

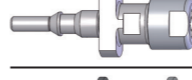
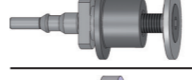
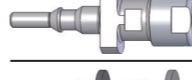
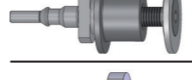
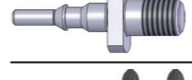


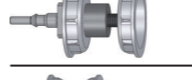

Toolholder with quick-change system

SWH

- Change the overhung spindles/abrasives in seconds without tools. Combined with a ROTOmax drive unit (active brake), changing work processes takes just 20 seconds
- Tough yet manageable design developed for long periods of use
- High-accuracy coupling guarantees low vibrations
- Wide range of clamping mandrels and spindles enables you to work using almost any grinding or polishing wheel
- Big button is easy to use, even wearing big work gloves

SWH								
	Type	max. Speed	Connection for Flexible Shaft	Length	Diameter	ID-No.	Mat.-No.	
		min ⁻¹		mm	mm			
	SWH G 28	12 000	G 28	156	55	110 237 01	100 035 066	1
	SWH G 22	20 000	G 22	148	55	110 277 01	100 035 141	1

Accessories Overhung spindles


	Type	For use with	Tool diameter	Tool width	Tool bore	ID-No.	Mat.-No.	
			mm	mm	mm			
	FDV SWH-14	▶ RFB ▶ RDB ▶ GSF ▶ NSV ▶ SS ▶ FPS	120	20	14	110 238 01	100 035 067	1
	FDV SWH-18	▶ KEFR	150	50	18	110 239 01	100 035 068	1
	FG SWH-M14 K	▶ FG M14-19 x 50 ▶ FG M14-M 14			M14	110 249 01	100 035 078	1
	FDV SWH-18	▶ KEFR	150	80	18	110 240 01	100 035 069	1
	FG SWH-SPZ 6	▶ For abrasives with 6 mm shafts	100	40		110 250 01	100 035 079	1
	FDV SWH-25	▶ SUN-Roll	152	25	25	110 241 01	100 035 070	1
	FG SWH-SPZ 1/4"	▶ For abrasives with 1/4" shafts	4"	2"		110 250 02	100 035 080	1
	FDV SWH-25	▶ SUN-Roll	152	50	25	110 242 01	100 035 071	1
	FG SWH 5/8" K	▶ BSK	150	60	5/8	110 251 01	100 035 081	1
	FDV SWH-48	▶ FSW (165/25)	165	25	48	110 243 01	100 035 072	1
	FDV SWH-48	▶ FSW (165/50)	165	50	48	110 244 01	100 035 073	1
	FDV SWH-51	▶ FVSR ▶ FVVR	175	50	51	110 245 01	100 035 074	1
	FDV SWH-76	▶ FVVR/SUN-Roll	203	50	76	110 246 01	100 035 075	1
	FDV SWH-76	▶ SUN-Roll	203	25	76	110 247 01	100 035 076	1
	FG SWH-M14 L	▶ VPR ▶ PR /HPR	200	30	14	110 248 01	100 035 077	1



Angle toolholders with flange

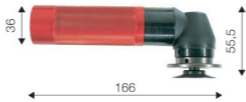
WI 10-F



- Processing of deeper welded seams possible
- Extra-flat angle toolholder for working in tight corners
- Extra flat profile, with mounting flange for grinding discs 115 mm ø left hand rotation.
- Handpieces equipped with Suhner slide coupling and quick connector

WI 10-F									
Type	max. Speed	Connection for Flexible Shaft	Length	Dia-meter	Spanner set	ID-No.	Mat.-No.		
min ⁻¹		mm		mm					
 WI 10-F (G28)	10 000	G 28	200	33	1 x Hexagon key 5; 1 x Locking pin 4	089 154 01	100 039 663	1	

WI 10-S

- Processing of deeper welded seams possible
- Locking spanners, wear-resistant housing, ball bearings, bevel gear, grease lubrication
- Special toolholder with mounting and internal thread (WI 10-S)
- Handpieces equipped with Suhner slide coupling and quick connector
- With mounting flange for grinding discs of 115 mm ø.



WI 10-S									
Type	max. Speed	Connection for Flexible Shaft	Length	Dia-meter	Spanner set	ID-No.	Mat.-No.		
min ⁻¹		mm		mm					
 WI 10-S	12 000	G 28	166	36	1 x Hook wrench; 1 x Peg spanner A25	057 645 11	100 046 618	1	

Accessories Support plates					
Type	For use with	ID-No.	Mat.-No.		
 FSS 115 M10	► KFS 115 ► WI 10 S	019 636 02	100 052 003	1	
 FSS 115-K M10	► FVVS ► FVOS 115-K ► FPS/PSM 125-K ► WI 10 S	907 501 00	100 010 308	1	
Type	For use with	Product specific text	ID-No.	Mat.-No.	
Flange WI 10 S	► WI 10 S FSS 110		089 615 01	100 039 784	1
SF WI 10S	► WI 10 S	For grinding discs	089 371 04	100 039 780	1




Right angle attachments

WIG

- For connecting to Suhner flexible shafts
- Various speed reducing gears available for optimum performance (precision bevel gears)
- All angle attachments can be swiveled 360° and enable comfortable working
- All devices equipped with Suhner slide coupling and quick connector
- Extensive protection against rust



WIG									
Type	max. Speed	The set consisting of	Con- nection for Flexible Shaft	Length	Hol- ding arbor mm	ID-No.	Mat.-No.		
min ⁻¹				mm	mm				
 WIG 7 (M 14)	25 000	With protective hood ø115 mm (4 1/2"), clamping flanges, handle. Wheel guard for work upon request	G 22	175	M14	049 608 04	100 048 482	1	
 WIG 10-125 (M 14)	15 000	With protective hood ø125 mm (5"), clamping flanges, handle. Spindle brake, wheel guard adjustable without a spanner Wheel guard for work upon request	G 28	201	M14	300 090 00	100 026 864	1	

Accessories and spare parts



Type	For use with	For discs diameter	ID-No.	Mat.-No.			
		mm					
 SH 125	► WIG 10 ► LWG 12 ► UWG 10-R ► UWK 10-R	125	300 017 59	100 027 957	1		
 SH 115 WIG 7	► WIG 7	115	048 201 04	100 048 211	1		
Type	For use with	Holding arbor mm	Grinding discs	ID-No.	Mat.-No.		
 SF M14	► Grinding/cutting wheels	M14	115mm, 125mm, 180mm, 230mm	048 200 11	100 048 207	1	

FSM

- For connecting to Suhner flexible shafts
- Various speed reducing gears available for optimum performance (precision bevel gears)
- All angle attachments can be swiveled 360° and enable comfortable working
- All devices equipped with Suhner slide coupling and quick connector
- Extensive protection against rust


FSM									
Type	max. Speed	The set consisting of	Con- nection for Flexible Shaft	Length	Hol- ding arbor mm	ID-No.	Mat.-No.		
min ⁻¹				mm	mm				
 FSM 1:1 (M14)	12 000	With protective hood ø180 mm (7"), clamping flanges, handle. Wheel guard for work upon request	G 28	178	M14	057 891 01	100 045 479	1	
 FSM 2:1 (M14)	12 000	With protective hood ø180 mm (7"), clamping flanges, handle. Wheel guard for work upon request	G 28	178	M14	057 891 06	100 045 482	1	




Accessories and spare parts

Type	For use with	For discs diameter	ID-No.	Mat.-No.			
		mm					
 SH 178 FSM	► FSM	178	052 601 01	100 047 033	1		
Type	For use with	Holding arbor mm	Grinding discs	ID-No.	Mat.-No.		
 SF M14	► Grinding/cutting wheels	M14	115mm, 125mm, 180mm, 230mm	048 200 11	100 048 207	1	

SAM

- For connecting to Suhner flexible shafts
- Various speed reducing gears available for optimum performance (precision bevel gears)
- All angle attachments can be swiveled 360° and enable comfortable working
- All devices equipped with Suhner slide coupling and quick connector
- Extensive protection against rust




SAM									
Type	max. Speed	The set consisting of	Connec- tion for Flexible Shaft	Length	Hol- ding arbor mm	ID-No.	Mat.-No.		
	min ⁻¹			mm	mm				
 SAM 1:1 (M14)	6400	With protective hood ø230mm (9"), clamping flanges, handle. Wheel guard for work upon request	G 35	214	M14	010 443 01	100 052 753	1	

Accessories and spare parts									
Type	For use with	For discs diameter	ID-No.	Mat.-No.					
		mm							
 SH 178 SAM		178	048 201 01	100 048 208	1				
 SH 230 SAM	► SAM	230	048 201 03	100 048 209	1				
Type	For use with	Holding arbor mm	Grinding discs	ID-No.	Mat.-No.				
 SF M14	► Grinding/cutting wheels	M14	115mm, 125mm, 180mm, 230mm	048 200 11	100 048 207	1			

Right angle attachments with water supply

TALM

- Light alloy housing handle, central water feed, bevel gear, bell bearing, without accessories
- For reasons of safety, a 42V (ROTOfera, ROTAR) actuator always has to be used when an angle device with water intake is used
- For connecting to Suhner flexible shafts
- All angle attachments can be swiveled 360° and enable comfortable working
- All devices equipped with Suhner slide coupling and quick connector
- Extensive protection against rust

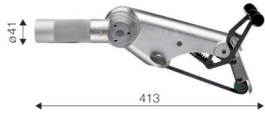
TALM									
Type	max. Speed	Connec- tion for Flexible Shaft	Length	Hol- ding arbor mm	Spanner set	ID-No.	Mat.-No.		
	min ⁻¹		mm						
 TALM 2:1 (M14)	9600	G 28	267	M14	1 x Open end wrenches SW 17	057 908 06	100 045 505	1	
 TAM 1:1 (M14)	6400	G 35	311	M14	1 x Open end wrenches SW 17	010 444 01	100 052 757	1	
 TAM 2:1 (M14)	6400	G 35	311	M14	1 x Open end wrenches SW 17	010 444 06	100 052 759	1	



Tube polisher

FTM

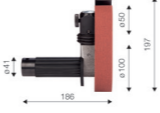
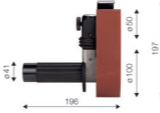


- Up to 220° contact on tubes
- Grinding of tubes with a ϕ of up to 70 mm

FTM								
	Type	max. Speed	Connection for Flexible Shaft	Belt dimension	Length	ID-No.	Mat.-No.	
		min ⁻¹		mm				
	FTM	9 000	G 28	30 x 610	413	110 223 01	100 035 051	1

Belt grinding attachments

BSG

- Wide selection of belt grinding attachments
- Excellent power-to-weight ratio
- For connecting to Suhner flexible shafts
- Special 360° swivel motion design on flexible shaft models to easily reach all places of operation
- Smooth running belt adjustment
- All belt grinders equipped with Suhner slide coupling and quick connector

BSG								
	Type	max. Speed	Connection for Flexible Shaft	Belt dimension	Length	ID-No.	Mat.-No.	
		min ⁻¹		mm				
	BSG 10/35	7 000	G 28	35 x 450	186	052 630 02	100 047 049	1
	BSG 10/50	7 000	G 28	50 x 450	196	052 630 01	100 047 048	1
	BSG 15/63	5 000	G 35	63 x 950	240	010 635 01	100 052 766	1
	BSG 3/10/40	5 000	G 28	40 x 505	220	010 648 01	100 052 768	1



Accessories						
Type	For use with	Size	ID-No.	Mat.-No.		
		mm				
	► BSG 10/50	50 x 40	052 643 01	100 047 065	1	
	► BSG 10/35	50 x 30	052 643 02	100 047 066	1	
	► BSG 3/10/40	70 x 40	035 454 01	100 050 114	1	
	► BSG 15/63	50 x 50	025 422 02	100 052 130	1	
	► BSG 10/50	100 x 40	052 644 01	100 047 068	1	
	► BSG 10/35	100 x 30	052 644 02	100 047 069	1	
	► BSG 3/10/40	50 x 40	035 455 01	100 050 115	1	
	► BSG 15/63	150 x 50	025 424 01	100 052 131	1	
	► BSG 10/50	100 x 40	908 917 00	100 009 783	1	

WB

- Wide selection of belt grinding attachments
- Excellent power-to-weight ratio
- For connecting to Suhner flexible shafts
- Special 360° swivel motion design on flexible shaft models to easily reach all places of operation
- Smooth running belt adjustment
- All belt grinders equipped with Suhner slide coupling and quick connector

WB							
Type	max. Speed	Connection for Flexible Shaft	Belt dimension	Length	ID-No.	Mat.-No.	
			mm				
		min ⁻¹					
	20 000	G 16	6 x 305; 12 x 305	234	110 220 01	100 035 048	1
	17 100	G 22	6 x 520; 12 x 520	368	110 221 01	100 035 049	1
	17 100	G 28	6 x 520; 12 x 520	377	110 222 01	100 035 050	1

Accessories						
Type	Belt length	Matching belt	ID-No.	Mat.-No.		
		mm				
	305	BSGB 3/305 / BSGB 6/305	059 162 03	100 045 058	1	
	520	BSGB 6/520	057 620 03	100 046 583	1	
	305	BSGB 6/305 / BSGB 12/305	059 162 02	100 045 057	1	
	520	BSGB 12/520	057 620 02	100 046 582	1	
	305	BSGB 3/305	059 162 06	100 045 059	1	
	520	BSGB 16/520	057 620 04	100 046 584	1	
	305	BSGB 6/305 / BSGB 12/305	059 162 01	100 045 056	1	
	520	BSGB 3/520	057 620 06	100 046 586	1	
	305	BSGB 6/305 / BSGB 12/305	059 162 07	100 045 060	1	
	520	BSGB 6/520 / BSGB 12/520	057 620 01	100 046 581	1	
	520	BSGB 19/520	057 620 05	100 046 585	1	
			061 714 01	100 042 527	1	
Type			ID-No.	Mat.-No.		
	BSGV 3/12 (WB 4)		059 160 02	100 045 054	1	
	BSGV 6/16 without drive roller		300 671 00	100 026 081	1	




Shaft complete


NA 4

- Separating drive unit from tool can take the fatigue out of even continuous working
- Ideal for use in places where access is difficult
- Flexible shafts are kind to the environment and quiet in operation
- Shafts of outstanding quality ensure minimum wear and maximum life
- All shafts can be changed in seconds
- Stainless steel tube coupling
- Consisting of shaft with couplings, rubber protective casing with reinforcing sleeves and outer metal couplings.

NA 4

Type	max. Speed	min. Operating radius	Coupling motor end	Coupling tool end	ID-No.	Mat.-No.	
	min ⁻¹	mm					



Type	max. Speed	min. Operating radius	Coupling motor end	Coupling tool end	ID-No.	Mat.-No.	
	min ⁻¹	mm					
NA 4 x 1250 G 28/G 16	40 000	100	G 28	G 16	030 001 02	100 049 960	1
NA 4 x 1250 DIN 10/G 16	40 000	100	DIN 10	G 16	030 002 02	100 049 961	1
NA 4 x 1500 DIN 10/M4 - Flex Star	40 000	100	DIN 10	M4		100 015 373	1
NA 7 x 1500 G 28/G 22	20 000	140	G 28	G 22	030 009 02	100 049 965	1
NA 7 x 1500 DIN 10/G 22	20 000	140	DIN 10	G 22	030 007 02	100 049 962	1
NA 7 x 2000 DIN 10/G 22	25 000	140	DIN 10	G 22	049 790 01	100 048 696	1
NA 10 x 1500 G 28/G 28	15 000	170	G 28	G 28	030 015 02	100 049 966	1
NA 10 x 1500 DIN 10/G 28	15 000	170	DIN 10	G 28	030 026 02	100 049 971	1
NA 10 x 1500 DIN 15/G 28	15 000	170	DIN 15	G 28	030 027 02	100 049 978	1
NA 10 x 2000 G 28/G 28	15 000	170	G 28	G 28	030 015 03	100 049 967	1
NA 10 x 2000 DIN 10/G 28	15 000	170	DIN 10	G 28	030 026 03	100 049 972	1
NA 10 x 2000 DIN 15/G 28	15 000	170	DIN 15	G 28	030 027 03	100 049 979	1
NA 10 x 2000 G 28/G 28 Step	15 000	170	G 28	G 28	030 015 13	100 049 969	1
NA 10 x 2000 DIN 10/G 28 Step	15 000	170	DIN 10	G 28	030 026 13	100 049 975	1
NA 10 x 1500 DIN 10/G 28 F	15 000	170	DIN 10	G 28	030 026 22	100 049 976	1
NA 10 x 2000 DIN 10/G 28 F	15 000	170	DIN 10	G 28	030 026 33	100 049 977	1
NA 10 x 1500 DIN 15/G 28 F	15 000	170	DIN 15	G 28	030 027 22	100 049 980	1
NA 10 x 2000 DIN 15/G 28 F	15 000	170	DIN 15	G 28	030 027 33	100 049 981	1
NA 12 x 2000 G 28/G 28	12 000	240	G 28	G 28	030 028 02	100 049 982	1
NA 12 x 2000 DIN 10/G 28	12 000	240	DIN 10	G 28	030 029 02	100 049 984	1
NA 12 x 2000 DIN 10/G 35	12 000	240	DIN 10	G 35	030 077 01	100 050 042	1
NA 12 x 2000 DIN 15/G 28	12 000	240	DIN 15	G 28	030 030 02	100 049 987	1
NA 12 x 2000 DIN 15/G 35	12 000	240	DIN 15	G 35	030 031 02	100 049 989	1
NA 12 x 2500 DIN 10/G 28	12 000	240	DIN 10	G 28	049 952 01	100 047 431	1
NA 12 x 2000 G 28/G 28 Step	12 000	240	G 28	G 28	030 028 12	100 049 983	1
NA 12 x 2000 DIN 10/G 28 Step	12 000	240	DIN 10	G 28	030 029 12	100 049 986	1
NA 12 x 2000 DIN 15/G 28 Step	12 000	240	DIN 15	G 28	030 030 12	100 049 988	1
NA 15 x 2000 DIN 15/G 35	8 000	300	DIN 15	G 35	030 032 02	100 049 990	1
NA 15v x 2000 DIN 15/G 35	8 000	300	DIN 15	G 35	048 236 01	100 048 221	1
NA 15 x 2000 DIN 15/G 35 Step	8 000	300	DIN 15	G 35	030 032 12	100 049 991	1
NA 20 x 2500 DIN 15/G 35	5 000	300	DIN 15	G 35	030 025 01	100 049 970	1




Casing with coupling only


Shaft with couplings

Protective hose

Protective hose

Type	max. Speed min ⁻¹	min. Operating radius mm	Coupling motor end	Coupling tool end	ID-No.	Mat.-No.	
							
SS 4 x 1250 G 28/G 16	40 000	100	G 28	G 16	030 036 02	100 049 994	1
SS 4 x 1250 DIN 10/G 16	40 000	100	DIN 10	G 16	030 039 02	100 049 996	1
SS 4 x 1500 DIN 10/M4 - Flex Star	40 000	100	DIN 10	M4		101 004 346	1
SS 7 x 1500 G 28/G 22	20 000	140	G 28	G 22	030 040 02	100 049 997	1
SS 7 x 1500 DIN 10/G 22	20 000	140	DIN 10	G 22	030 042 02	100 049 999	1
SS 7 x 2000 DIN 10/G 22	25 000	140	DIN 10	G 22	049 792 01	100 048 700	1
SS 10 x 1500 G 28/G 28	15 000	170	G 28	G 28	030 046 02	100 050 004	1
SS 10 x 1500 DIN 10/G 28	15 000	170	DIN 10	G 28	030 049 02	100 050 012	1
SS 10 x 1500 DIN 15/G 28	15 000	170	DIN 15	G 28	030 052 02	100 050 019	1
SS 10 x 2000 G 28/G 28	15 000	170	G 28	G 28	030 046 03	100 050 005	1
SS 10 x 2000 DIN 10/G 28	15 000	170	DIN 10	G 28	030 049 03	100 050 013	1
SS 10 x 2000 DIN 15/G 28	15 000	170	DIN 15	G 28	030 052 03	100 050 020	1
SS 10 x 2000 G28/G28 STEP	15 000	170	G 28	G 28	030 046 13	100 050 006	1
SS 10 x 2000 DIN 10/G 28 STEP	15 000	170	DIN 10	G 28	030 049 13	100 050 014	1
SS 12 x 2000 G 28/G 28	12 000	240	G 28	G 28	030 055 02	100 050 022	1
SS 12 x 2000 DIN 10/G 28	12 000	240	DIN 10	G 28	030 056 02	100 050 024	1
SS 12 x 2000 DIN 10/G 35	12 000	240	DIN 10	G 35	030 075 01	100 050 040	1
SS 12 x 2000 DIN 15/G 28	12 000	240	DIN 15	G 28	030 060 02	100 050 031	1
SS 12 x 2000 DIN 15/G 35	12 000	240	DIN 15	G 35	030 063 02	100 050 034	1
SS 12 x 2500 DIN 10/G 28	12 000	240	DIN 10	G 28	049 954 01	100 047 435	1
SS 12 x 2000 G28/G28 STEP	12 000	240	G 28	G 28	030 055 12	100 050 023	1
SS 12 x 2000 DIN 10/G 28 STEP	12 000	240	DIN 10	G 28	030 056 12	100 050 026	1
SS 12 x 2000 DIN 15/G 28 STEP	12 000	240	DIN 15	G 28	030 060 12	100 050 032	1
SS 15 x 2000 DIN 15/G 35	8 000	300	DIN 15	G 35	030 066 02	100 050 036	1
SS 15v x 2000 DIN 15/G 35	8 000	300	DIN 15	G 35	048 237 01	100 048 222	1
SS 15 x 2000 DIN 15/G 35 STEP	8 000	300	DIN 15	G 35	030 066 12	100 050 037	1
SS 20 x 2500 DIN 15/G 35	5 000	300	DIN 15	G 35	030 069 01	100 050 038	1

Shaft with coupling only WS 4

Type	max. Speed min ⁻¹	min. Operating radius mm	Coupling motor end	Coupling tool end	ID-No.	Mat.-No.	
							
WS 4 x 1250 G 28/G 16	40 000	100	G 28	G 16	030 034 01	100 049 992	1
WS 4 x 1250 DIN 10/G 16	40 000	100	DIN 10	G 16	030 038 01	100 049 995	1
WS 4 x 1500 DIN 10/M4 - Flex Star	40 000	100	DIN 10	M4		100 053 207	1
WS 7 x 1500 G 28/G 22	20 000	140	G 28	G 22	030 041 01	100 049 998	1
WS 7 x 1500 DIN 10/G 22	20 000	140	DIN 10	G 22	030 043 01	100 050 001	1
WS 7 x 2000 DIN 10/G 22	25 000	140	DIN 10	G 22	049 791 01	100 048 698	1
WS 10 x 1500 G 28/G 28	15 000	170	G 28	G 28	030 045 01	100 050 002	1
WS 10 x 1500 DIN 10/G 28	15 000	170	DIN 10	G 28	030 048 01	100 050 007	1
WS 10 x 1500 DIN 15/G 28	15 000	170	DIN 15	G 28	030 051 01	100 050 015	1
WS 10 x 2000 G 28/G 28	15 000	170	G 28	G 28	030 045 02	100 050 003	1
WS 10 x 2000 DIN 10/G 28	15 000	170	DIN 10	G 28	030 048 02	100 050 008	1
WS 10 x 2000 DIN 15/G 28	15 000	170	DIN 15	G 28	030 051 02	100 050 016	1
WS 10 x 1500 DIN 10/G 28 F	15 000	170	DIN 10	G 28	030 048 11	100 050 010	1
WS 10 x 2000 DIN 10/G 28 F	15 000	170	DIN 10	G 28	030 048 22	100 050 011	1
WS 10 x 1500 DIN 15/G 28 F	15 000	170	DIN 15	G 28	030 051 11	100 050 017	1
WS 10 x 2000 DIN 15/G 28 F	15 000	170	DIN 15	G 28	030 051 22	100 050 018	1
WS 12 x 2000 G 28/G 28	12 000	240	G 28	G 28	030 054 01	100 050 021	1
WS 12 x 2000 DIN 10/G 28	12 000	240	DIN 10	G 28	030 057 01	100 050 027	1
WS 12 x 2000 DIN 10/G 35	12 000	240	DIN 10	G 35	030 076 01	100 050 041	1
WS 12 x 2000 DIN 15/G 28	12 000	240	DIN 15	G 28	030 059 01	100 050 029	1
WS 12 x 2000 DIN 15/G 35	12 000	240	DIN 15	G 35	030 062 01	100 050 033	1
WS 12 x 2500 DIN 10/G 28	12 000	240	DIN 10	G 28	049 953 01	100 047 433	1
WS 12 x 2500 DIN 15/G 28	12 000	240	DIN 15	G 28	030 059 04	100 050 030	1
WS 15 x 2000 DIN 15/G 35	8 000	300	DIN 15	G 35	030 065 01	100 050 035	1
WS 20 x 2500 DIN 15/G 35	5 000	300	DIN 15	G 35	030 070 01	100 050 039	1




Accessories for flexible shafts

Adapters EA 10

- EA 10 end connectors are ideal for attaching to drives of other makes
- Adapters with bearings and cylindrical shaft end, for connecting shafts to different motor types.


Adapters EA 10

Type	max. Speed	Connection for Flexible Shaft	Diameter	Length	Diameter of cylindrical shaft end	ID-No.	Mat.-No.	
			mm	mm	mm			
	min ⁻¹							
EA 10 (G 28)	12000	G 28	33	140	14	010 230 01	100 052 740	1
EA 10 (DIN10)	12000	DIN 10	33	145	14	010 281 01	100 052 741	1

Insulating couplings ISK 10/15


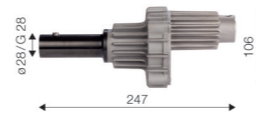

- ISK 10/15 insulated couplings provide electrical isolation between drive motor and shaft

Insulating couplings ISK 10/15

Type	max. Speed	Connection for Flexible Shaft	Diameter	Length	ID-No.	Mat.-No.	
			mm	mm			
	min ⁻¹						
ISK 10 (DIN10)	15000	2 x DIN 10	43	76	010 783 01	100 052 781	1
ISK 15 (DIN 15)	15000	2 x DIN 15	58	96	010 782 01	100 052 780	1


RG

- RG gear units on the drive motor raise speed by 1 : 3 and multiply the range of uses
- For increasing speed of machines, gear ratio 1 : 3, ball bearings, for light work

RG	Type	max. Speed	Connection for Flexible Shaft	Diameter	Length	Height	ID-No.	Mat.-No.	
			mm	mm	mm				
		min ⁻¹							
	RG (G28)	12000	2 x G 28	28	247	106	010 510 01	100 052 761	1
	RG (DIN10)	12000	2 x DIN 10	30	247	106	010 510 03	100 052 762	1

SWF


- For flexible shafts, for high speed applications and long shaft life

SWF				
Type	ID-No.	Mat.-No.		
				
SWF	904 832 00	100 011 350	1	

SGF

Gearbox grease for ROTOfix , ROTOfera, ROTAR.


- For gearbox drive flexible shaft grinders and right angle grinding attachments

SGF				
Type	ID-No.	Mat.-No.		
				
SGF	904 833 00	100 011 271	1	

Electrical control elements

STEP

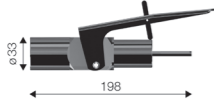
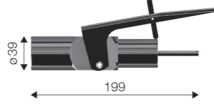
- Working faster and thus more economically
- Better concentration on effective work
- Faster processing sequences
- Short change-over times
- High quality increase through concentrated work
- Reduction in processing and change-over time
- High level of work safety
- The tool can be turned on and off directly on the tool holder hence „stand by“ operation.
- No inadvertent turning on of the machine by safety lock.
- Automatic interruption of power supply according to the deadman principle: when the switch system is released the machine shuts down.
- Additional power switch for the machine on the drive unit.
- The switch is located in the direct radius of action of the user at all times: it is not necessary to turn away from the workpiece to actuate the switch.

STEP					
Type	For tools	For use with	ID-No.	Mat.-No.	
	STEP G28	G 28 Coupling	ROTOfera STEP	059 054 01	100 045 017 1
	STEP 2/4 G 28	G 28 Coupling	ROTOmax 2.0 / ROTOmax 4.0	110 268 01	100 035 128 1
	STEP 2/4 G 35	G 35 Coupling	ROTOmax 2.0 / ROTOmax 4.0	110 269 01	100 035 129 1

Mechanical control elements

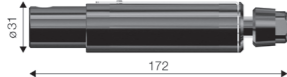
SAK

- Working faster and thus more economically
- Better concentration on effective work
- Faster processing sequences
- High quality increase through concentrated work
- Reduction in processing and change-over time
- The safety clutch SAK G 28 is used in conjunction with all toolholders with G 28 coupling. The safety clutch SAK G 35 is used in conjunction with all toolholders with G 35 coupling. It is a dead man switch allowing the flex shaft to disconnect from the toolholder at any time of operation. Lever should be engaged (depressed) while flexible shaft machine power switch (ON/OFF) is off. The clutch is of mechanical design and disconnects the drive from toolholder when safety clutch lever is released. The released safety lever protects from accidental start-up. Safety cut-out clutch for improved safety. Stops the handpiece instantly.

SAK									
Type	max. Speed	Connection for Flexible Shaft	Length	For tools	Diameter	ID-No.	Mat.-No.		
	min ⁻¹		mm		mm				
 SAK (G28)	25 000	2 x G 28	198	G 28 Coupling	33	052 926 01	100 047 288	1	
 SAK (G 35)	10 000	2 x G 35	199	G 35 Coupling	39	057 110 01	100 046 135	1	

FHA


- Working faster and thus more economically
- Better concentration on effective work
- Faster processing sequences
- High quality increase through concentrated work
- Reduction in processing and change-over time
- Type FHA 7 with G 22 suit all Suhner flexible shafts with coupling type G 22 on tool holder side. Switching on and off is possible when motor is running. Toolholder with integrated deadman switch.

FHA									
Type	max. Speed	Connection for Flexible Shaft	Length	Collet	Dia-meter	ID-No.	Mat.-No.		
	min ⁻¹		mm	mm	mm				
 FHA 7	25 000	G 22	172	6	31	300 031 67	100 028 435	1	


Extension system

LRG 20

- Flexible exhaust hose
- Rear exhaust with integral silencer
- Modern design and ergonomically shaped grip by Suhner
- Large selection of stainless steel extension tubes


LRG 20								
Type	max. Speed	Power	Air supply hose diameter	Connection for Flexible Shaft/extension system	ID-No.	Mat.-No.		
	min ⁻¹	W	mm					
 LRG 20	20 000	900	9	DIN 10	112 022 01	100 035 559	1	

URG 9-R

URG 9-R								
Type	Vol-tage	Fre-quency	Con-nection for Flexible Shaft	Speed	Power	ID-No.	Mat.-No.	
	V	Hz						
 URG 9-R (230V VDE)	230	50	DIN 10	3 800 – 8 300	1 050	110 226 01	100 035 054	1
URG 9-R (230V SEV)	230	50	DIN 10	3 800 – 8 300	1 050	110 226 02	100 035 055	1
URG 9-R (120 V USA)	120	60	DIN 10	3 800 – 8 300	1 050	110 227 03	100 035 056	1









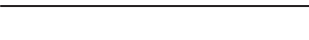
EA 10 G 28

- For adapting the extension systems to flexible shafts or for connecting two flexible shafts.
- By using the adapter EA 10 DIN 10 / G 28 flexible shafts can be coupled

EA 10 G 28								
Type	max. Speed	Length mm	Diameter mm	Coupling motor end	Coupling tool end	ID-No.	Mat.-No.	
	min ⁻¹	mm	mm					
 EA 10 G 28 / DIN 10	15 000	151	37	G 28	DIN 10	450 226 01	100 017 981	1


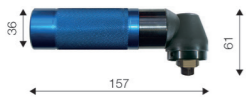



VS DIN 10

- Processing of deeper welded seams possible
- Angle handpiece can be fitted
- Special lengths up to 5 m are possible in 50 cm steps
- Extension tubes are made of stainless steel
- Robust, suitable for polishing (extension system DIN 10 / G 28)
- By using the adapter EA 10 DIN 10 / G 28 flexible shafts can be coupled

VS DIN 10								
Type	max. Speed	Length mm	Diameter mm	Coupling motor end	Coupling tool end	ID-No.	Mat.-No.	
	min ⁻¹	mm	mm					
 VS DIN 10 / G 16 250MM	25 000	250	20	DIN 10	G 16	450 226 60	100 018 008	1
 VS DIN 10 / G 16 500 MM	25 000	500	20	DIN 10	G 16	450 226 61	100 018 009	1
 VS DIN 10 / G 16 1000 MM	25 000	1000	20	DIN 10	G 16	450 252 01	100 018 086	1
 VS DIN 10 / G 22 250 MM	25 000	250	28	DIN 10	G 22	450 226 40	100 017 998	1
 VS DIN 10 / G 22 500 MM	25 000	500	28	DIN 10	G 22	450 226 41	100 017 999	1
 VS DIN 10 / G 22 1000 MM	25 000	1000	28	DIN 10	G 22	450 226 42	100 018 000	1
 VS DIN 10 / G 28 250 MM	15 000	250	34	DIN 10	G 28	450 226 20	100 017 987	1
 VS DIN 10 / G 28 500 MM	15 000	500	34	DIN 10	G 28	450 226 21	100 017 988	1
 VS DIN 10 / G 28 1000 MM	15 000	1000	34	DIN 10	G 28	450 226 22	100 017 989	1




WI




- Processing of deeper welded seams possible
- Locking spanners, wear-resistant housing, ball bearings, bevel gear, grease lubrication

WI								
Type	max. Speed	Connection for Flexible Shaft	Length mm	Diameter mm	ID-No.	Mat.-No.		
	min ⁻¹		mm	mm				
 WI 4 without rotary groove	20 000	G 16	111	22.5	057 661 11	100 045 262	1	
 WI 7 without rotary groove	17 100	G 22	157	36	057 645 21	100 046 619	1	
 WI 10 without rotary groove	17 100	G 28	166	36	057 645 23	100 046 620	1	
 WI 7-45° without rotary groove	17 100	G 22	175	36	057 662 21	100 045 268	1	
 WI 10-45° without rotary groove	17 100	G 28	184	36	057 662 23	100 045 269	1	

AD DIN 10















- Processing of deeper welded seams possible
- Angle handpiece can be fitted
- Special lengths up to 5 m are possible in 50 cm steps
- Extension tubes are made of stainless steel
- Robust, suitable for polishing (extension system DIN 10 / G 28)
- By using the adapter EA 10 DIN 10 / G 28 flexible shafts can be coupled

AD DIN 10								
Type	max. Speed	Length mm	Diameter mm	Coupling motor end	Coupling tool end	ID-No.	Mat.-No.	
	min ⁻¹	mm	mm					
 AD DIN 10 / G 16	25 000	94	30	DIN 10	G 16	450 226 50	100 018 006	1
 AD DIN 10 / G 22	25 000	110	30	DIN 10	G 22	450 226 30	100 017 995	1
 AD DIN 10 / G 28	15 000	110	30	DIN 10	G 28	450 226 10	100 017 984	1

Accessories Toolholders								
Type	max. Speed	Connection for Flexible Shaft	Length	Collet	Diameter	Spanner set	ID-No.	Mat.-No.
	min ⁻¹		mm	mm	mm			
 FH 4-INOX	40 000	G 16	107	6	20	2 × Open end wrenches SW 13	110 234 01	100 035 062
 FH 7-INOX	25 000	G 22	128	6	27	1 × Open end wrenches SW 14; 1 × Open end wrenches SW 18	110 235 01	100 035 064
 FH 10-INOX	18 000	G 28	165	6	33	2 × Open end wrenches SW 22	110 232 01	100 035 059

SUHNER®

ADVANCED COMPONENT CREATION

					
	Switzerland	SUHNER Schweiz AG	Lupfig	abrasive.ch@suhner.com	+41 (0)56 464 28 80
	Germany	SUHNER Deutschland GmbH	Bad Säckingen	abrasive.de@suhner.com	+49 (0)7761 557 0
	USA	SUHNER USA Inc.	Rome, GA	abrasive.us@suhner.com	+1 (706) 235-8046
	Austria	SUHNER Austria GmbH	Wien	abrasive.at@suhner.com	+43 (0)1 587 16 14
	France	SUHNER France SAS	Ensisheim	abrasive.fr@suhner.com	+33 (0)3 89 82 39 96
	Italy	SUHNER Italia S.r.l.	Zola Predosa (BO)	abrasive.it@suhner.com	+39 0 35 22 06 98
	Australia	SUHNER Pty Ltd.	Silverwater	abrasive.au@suhner.com	+61 (0)2 96 48 58 88
	Mexico	SUHNER México SA de CV	San Juan del Rio	abrasive.mx@suhner.com	+52 427 272 39 78
	India	SUHNER India Pvt. Ltd.	Bangalore	abrasive.in@suhner.com	+91 (0) 80- 27 831108
	China	Suhner (Suzhou) Ind. Techn. Ltd.	Suzhou	abrasive.cn@suhner.com	+86 512 628 77 808

www.suhner.com