



EXTRUSION CROSSHEADS & TOOLING — EXTRUSION EQUIPMENT

Your productivity guaranteed



CH - 1429 Giez
Switzerland
www.erocarb.ch

Phone: +41 24 446 23 03
Fax: +41 24 446 23 51
info@erocarb.ch

TABLE OF CONTENTS

CROSSHEAD DESCRIPTION	1
E2AN10	2
E4AN11	3
E4BN10	4
E4GN21	5
E4HN30	6
E4JN20	7
E12BN11	8
E14AN11	9
E14GN21	10
E25AN11	11
E35AN11	12
E60AN11	13
E80AN10	14
E115AN11	15
E140AN11	16
For Fluoropolymers - E12BF10	17
For Fluoropolymers - E12BF11	18
E50GT20 - With fluid thermo-regulated zones	19
E50LF10 — in line head	20
E22PN10 - for flat ribbon cables	21
E52PN11 - for flat ribbon cables	22
ETEL - Module with telescopic withdraw of distributor	23
EXTRUSION TOOLING	24
MAINTENANCE TOOL BOX	24
CROSSHEAD SUPPORT TROLLEY	24
MANUAL OR AUTOMATIC OPERATED HEATED CLAMP	24

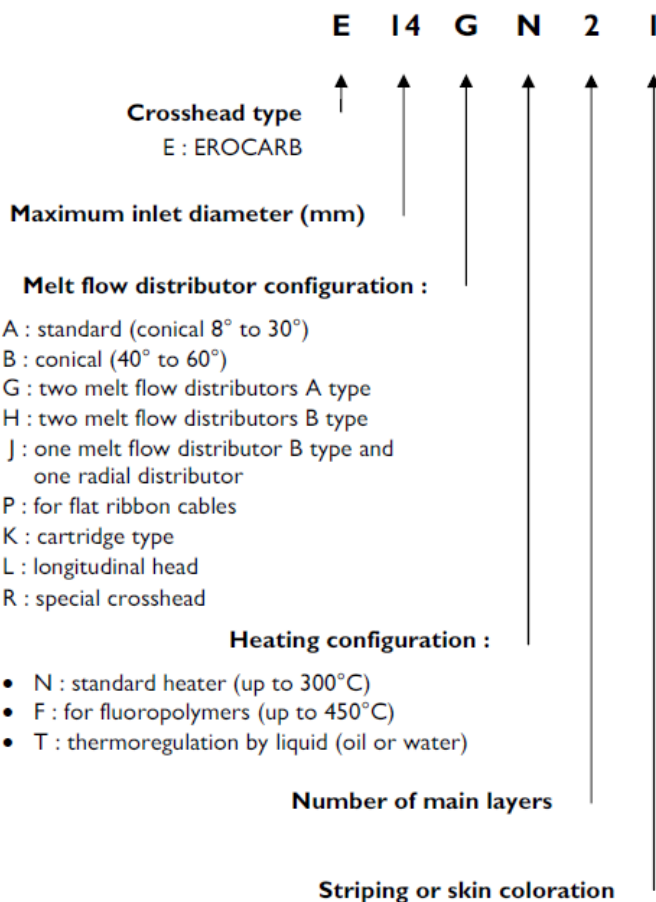
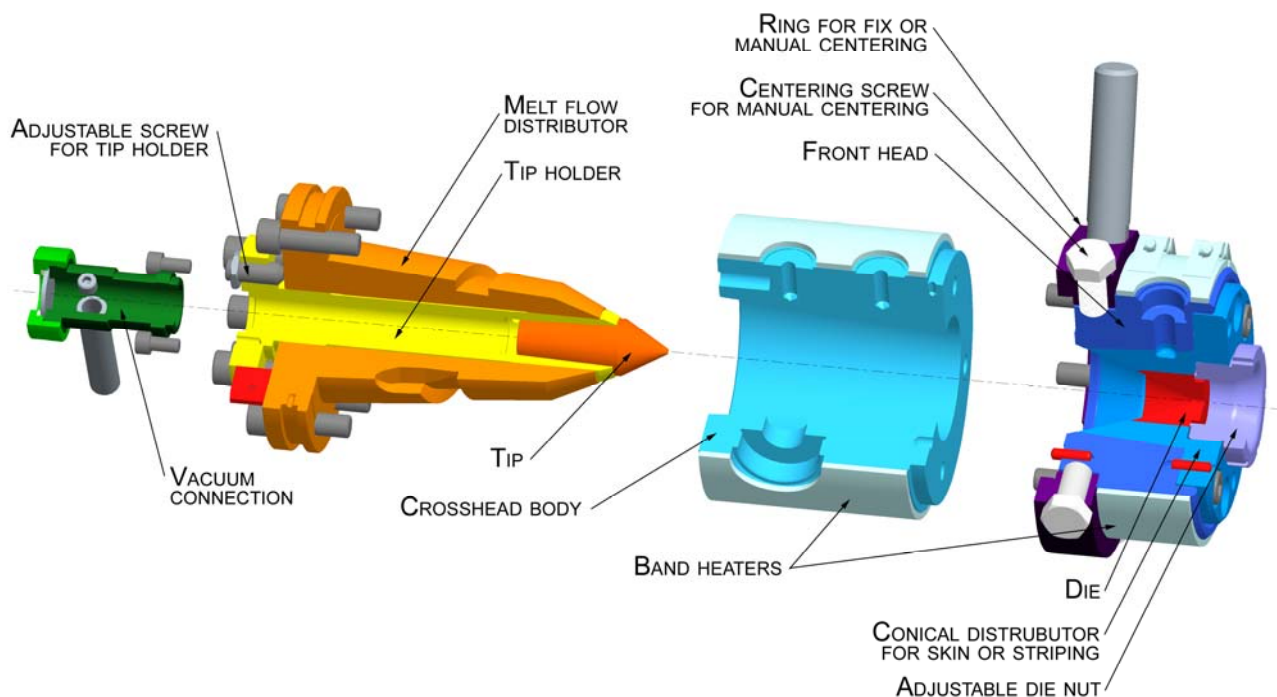


EROCARB SA

Route de Grandson
CH - 1429 Giez
Switzerland

Phone: +41 24 446 23 03
Fax: +41 24 446 23 51
info@erocarb.ch
www.erocarb.ch

CROSSHEAD DESCRIPTION

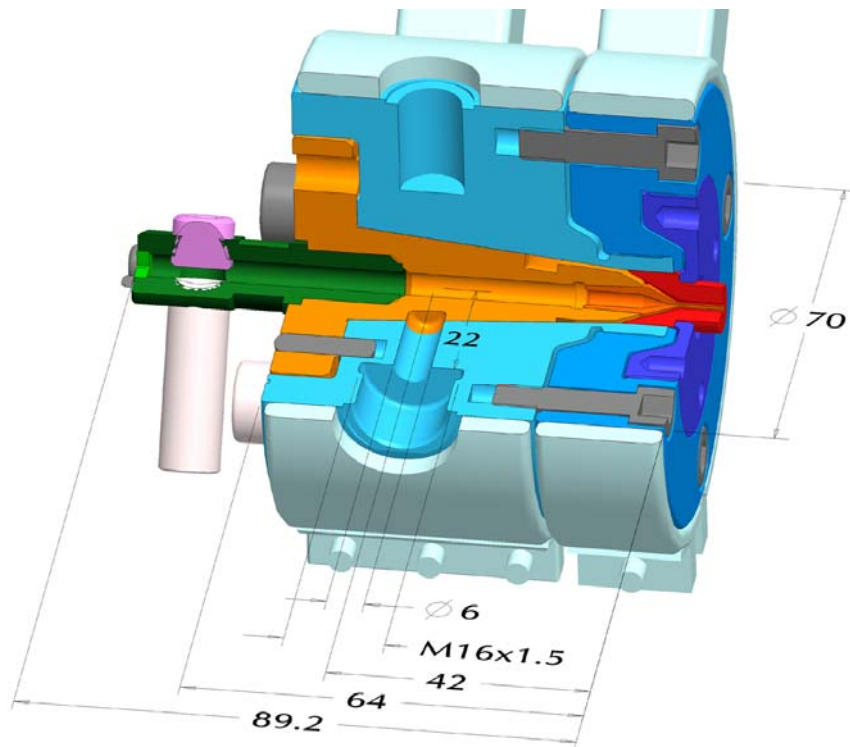


EROCARB SA

Route de Grandson
 CH - 1429 Giez
 Switzerland

Phone: +41 24 446 23 03
 Fax: +41 24 446 23 51
 info@erocarb.ch
 www.erocarb.ch

E2AN10



Characteristics

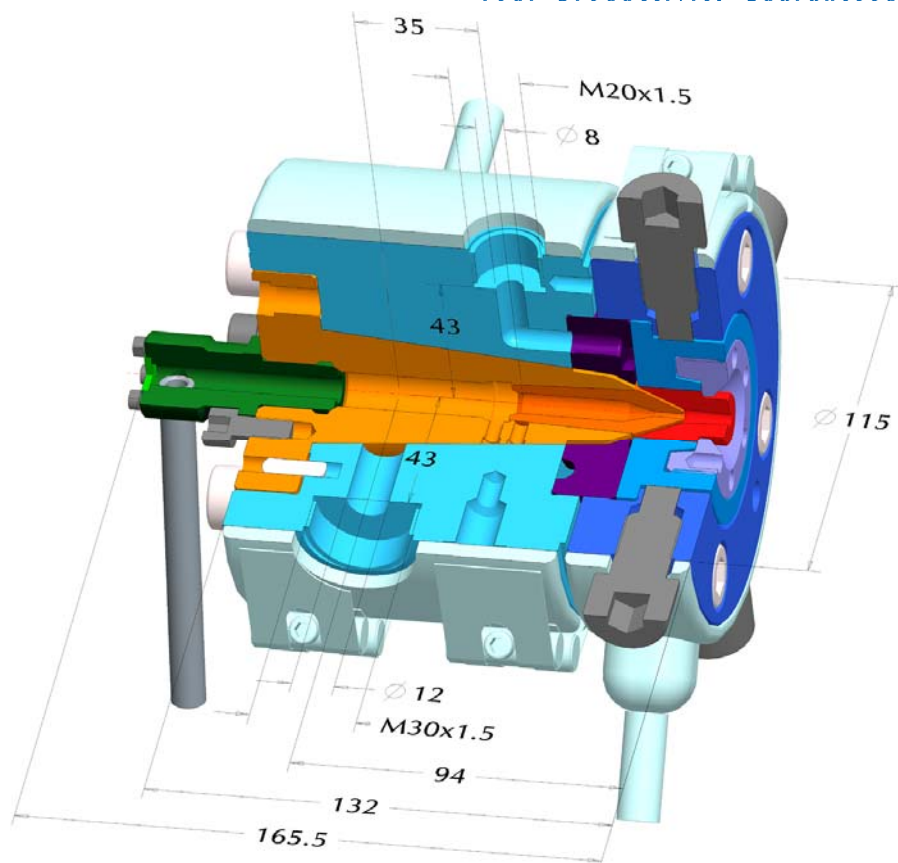
- Main applications :
O insulation single layer
- Centering system Fix
- Maximum inlet diameter 2 mm
- Maximum die diameter
(With compression tooling) 4 mm
- Entry port diameter 6 mm, M16x1.5
- Heating zones number :
O body 2
O main extruder connection 1
- Weight, approximately 3 kg

Options

- Fine tuning centering
- Distributor shape optimized according to polymer
- Vacuum connection
- Extruder connection :
O with bypass : manual, pneumatic or hydraulic
O with manual heated clamp
O temperature gauge
O pressure gauge
- Crosshead holder



E4AN11



Characteristics

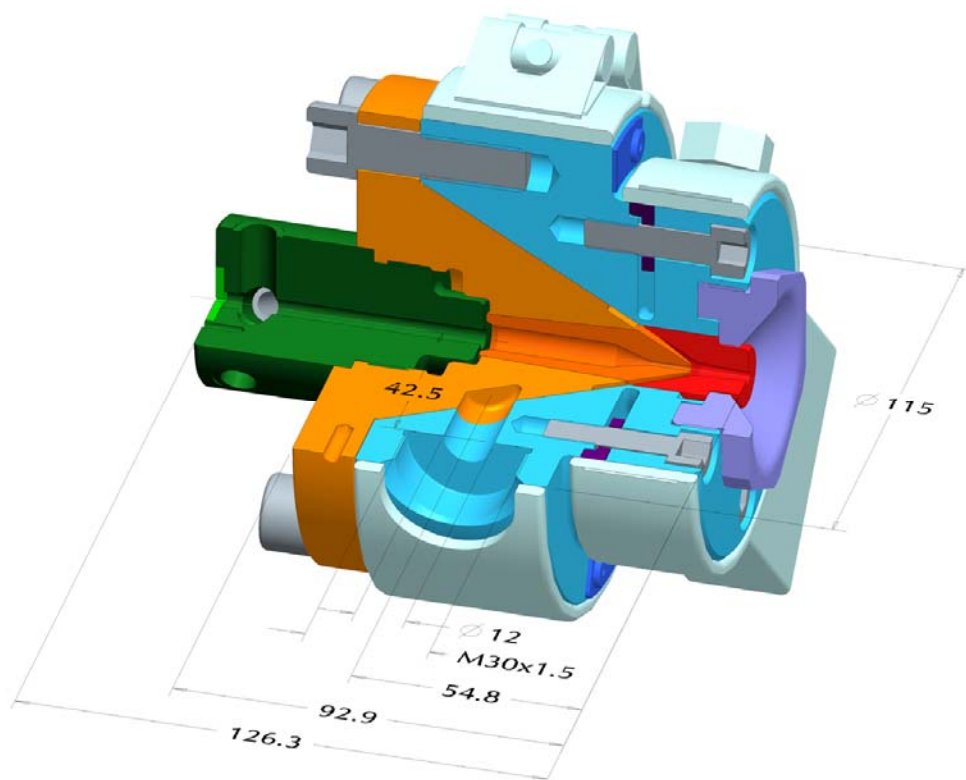
- Main applications :
 - single layer + striping or skin coloration
 - foam-skin
- Centering system Manual
- Maximum inlet diameter 4 mm
- Maximum die diameter 7 mm
(With compression tooling)
- Angular index for non-round extrusion tooling
- Main entry port diameter 12 mm, M30x1.5
- Auxiliary entry port diameter 8 mm, M20x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 12 kg

Options

- Fixe centering
- Distributor shape optimized according to polymer
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder



E4BN10



Characteristics

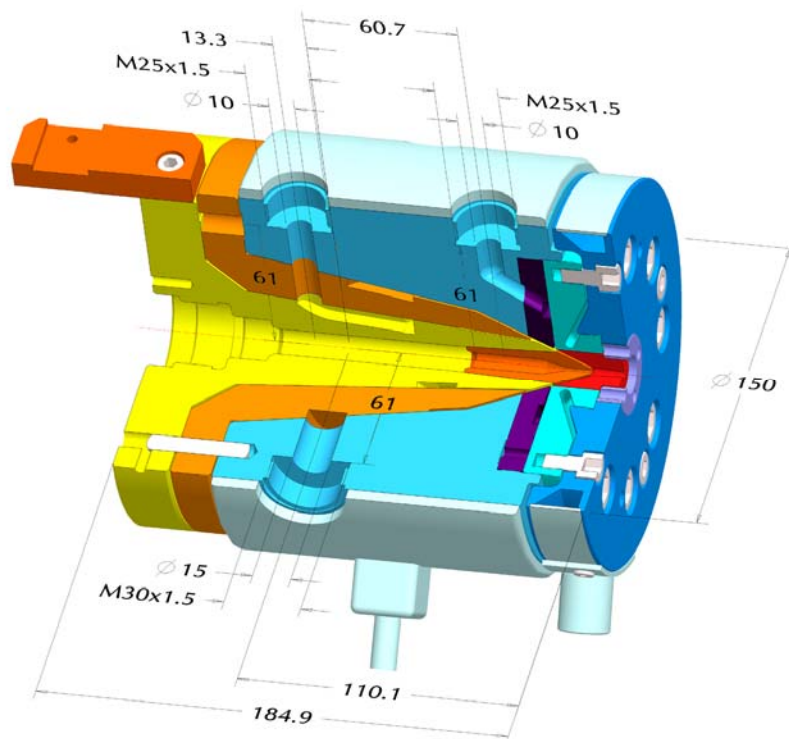
- Main applications :
O insulation single layer
- Centering system Fine tuning
- Maximum inlet diameter 4 mm
- Maximum die diameter 7 mm
(With compression tooling)
- Angular index for non-round extrusion tooling
- Main entry port diameter 12 mm, M30x1.5
- Auxiliary entry port diameter 8 mm, M20x1.5
- Heating zones number :
O body 2
O main extruder connection 1
- Weight, approximately 10 kg

Options

- Double layers
- Fix centering
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
O with bypass : manual, pneumatic or hydraulic
O with manual heated clamp
O temperature gauge
O pressure gauge
- Crosshead holder



E4GN2I



Characteristics

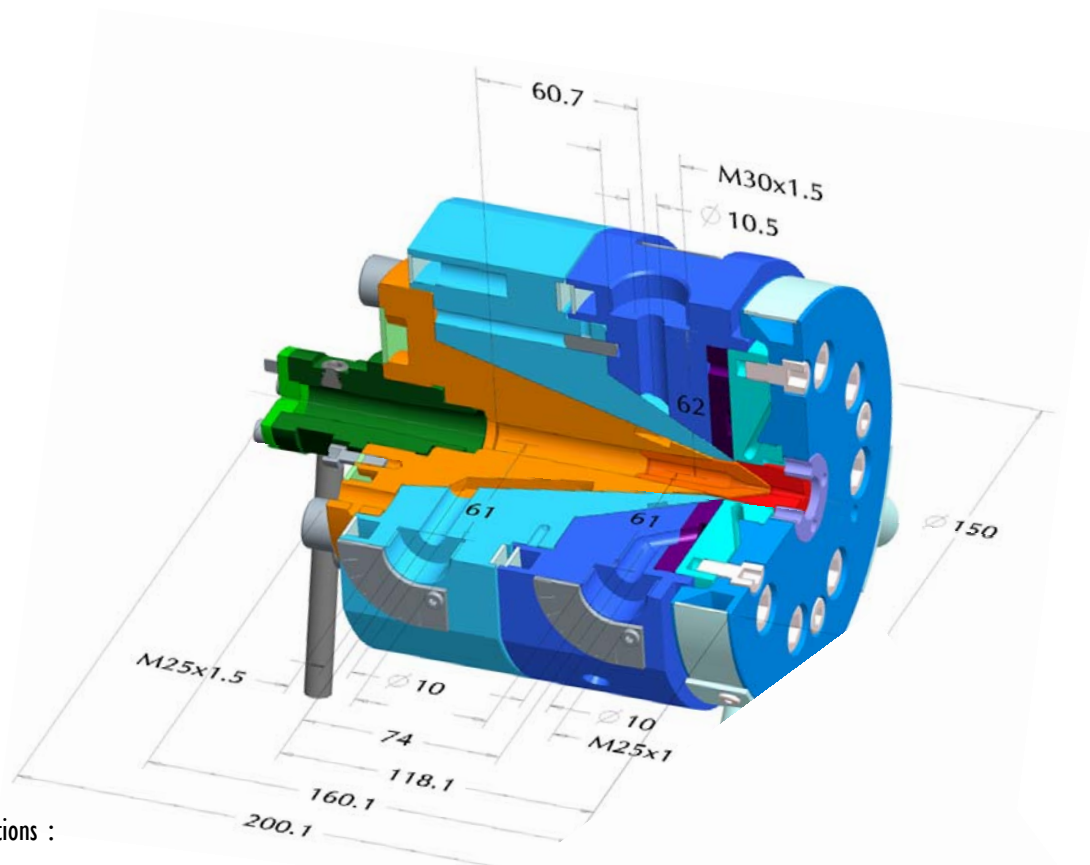
- Main applications :
 - single layer
 - single layer + striping
 - skin-foam-skin
 - skin-foam
 - foam-skin
- Centering system Fine tuning
- Maximum inlet diameter 4 mm
- Maximum die diameter 7 mm
 (With compression tooling)
- Angular index for non-round extrusion tooling
- Main entry port diameter 15 mm, M30x1.5
- Auxiliary entry port diameter 10 mm, M25x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 2
- Weight, approximately 32 kg

Options

- Single layer
- Double layers
- Fix centering
- Distributor shape optimized according to polymer
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley



E4HN30



Characteristics

- Main applications :
 - single layer
 - single layer + striping
 - skin-foam-skin
 - skin-foam
- Centering system Fine tuning
- Maximum inlet diameter 4 mm
- Maximum die diameter 7 mm
(With compression tooling)
- Angular index for non-round extrusion tooling
- Main entry port diameters :
 - standard 10.5 mm, M30x1.5
 - optimized for HFFR 12 mm, M30x1.5
- Auxiliary entry port diameters :
 - standard 8 mm, M20x1.5
 - optimized for HFFR 10 mm, M25x1.5
- Heating zones number :
 - body 3
 - main extruder connection 1
 - auxiliary extruder connect. 2
- Weight, approximately 23 kg

Options

- Single layer
- Double layer
- Striping
- Fix centering
- Distributor shape optimized according to polymer
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley

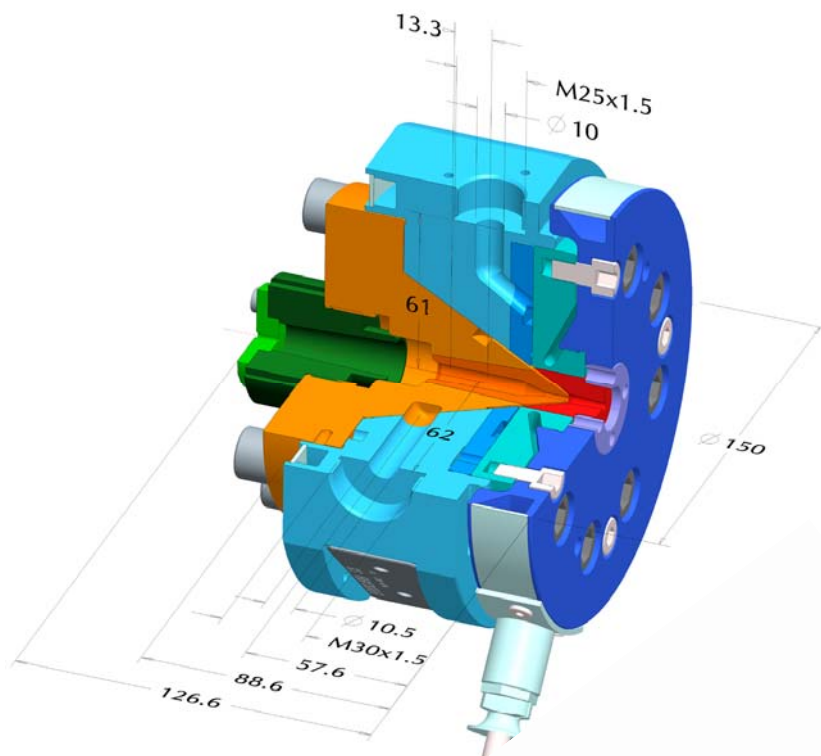


EROCARB SA

Route de Grandson
CH - 1429 Giez
Switzerland

Phone: +41 24 446 23 03
Fax: +41 24 446 23 51
info@erocarb.ch
www.erocarb.ch

E4JN20



Characteristics

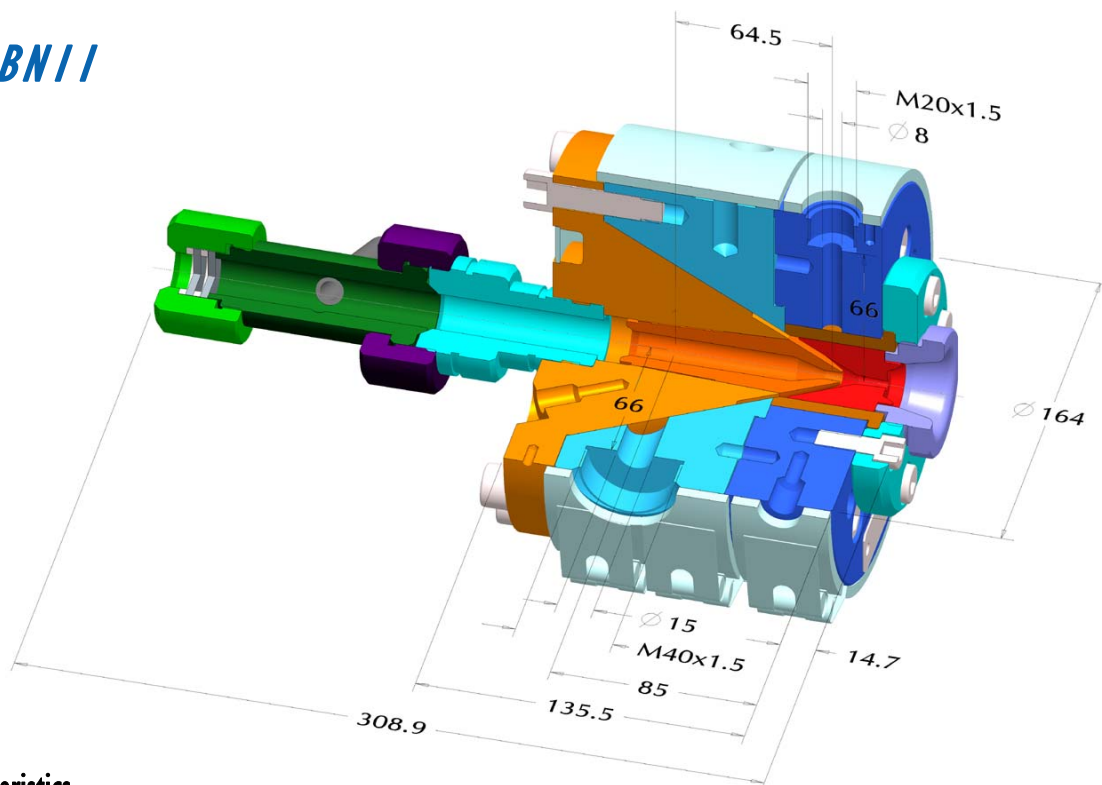
- Main applications :
 - single layer
 - single layer + striping
 - foam-skin
 - foam
- Centering system Fine tuning
- Maximum inlet diameter 4 mm
- Maximum die diameter 7 mm
(With compression tooling)
- Angular index for non-round extrusion tooling
- Main entry port diameter 10.5 mm, M30x1.5
- Auxiliary entry port diameters :
 - standard 7 mm, M18x1.5
 - optimized for HFFR 10 mm, M25x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 15 kg

Options

- Single layer
- Striping
- Distributor shape optimized according to polymer
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder



E12BN11



Characteristics

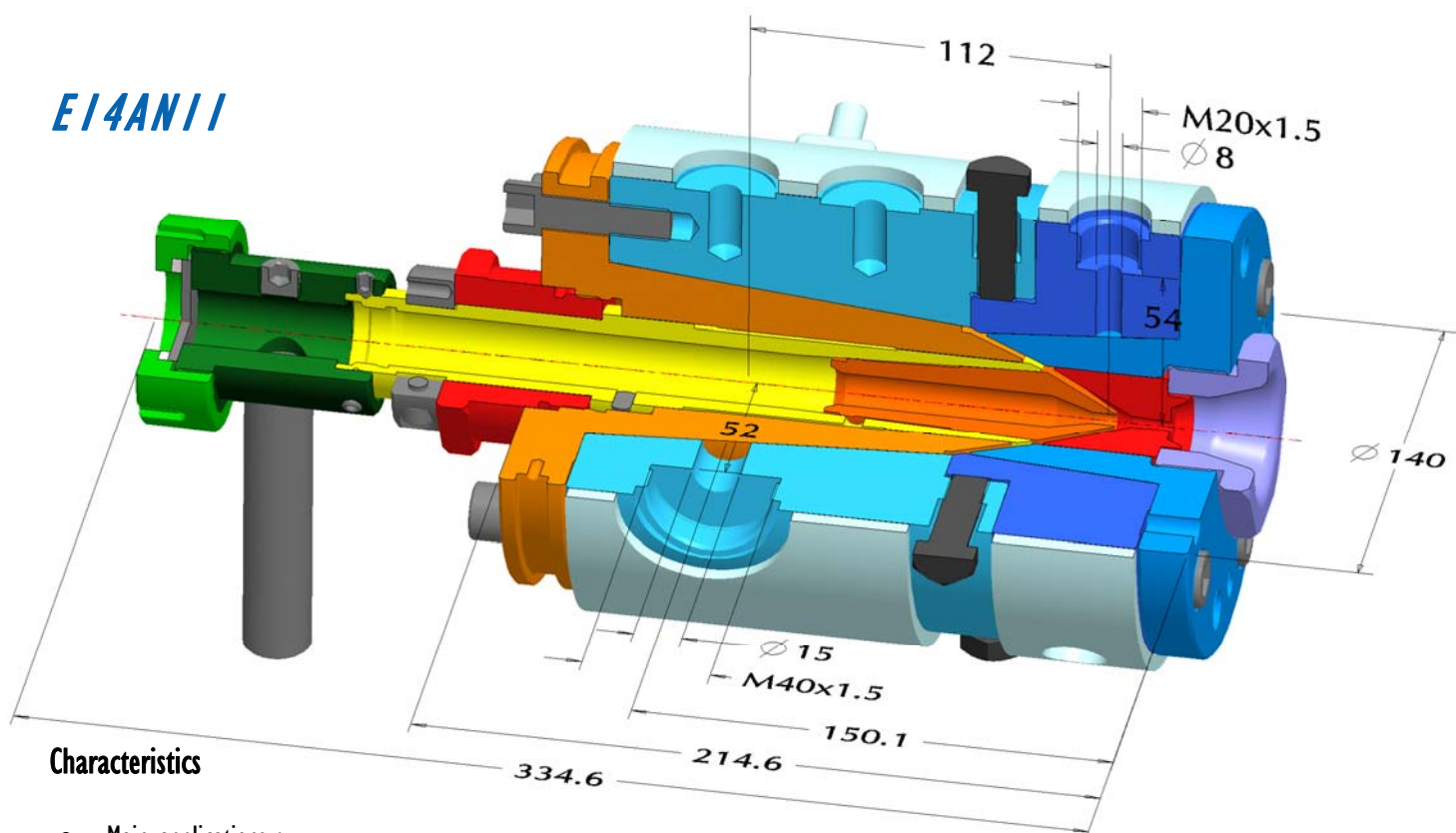
- Main applications :
 - single layer
 - single layer + striping
 - single layer + skin coloration
- Centering system Fix
- Maximum inlet diameter 12 mm
- Maximum die diameter 20 mm
- Angular index for non-round extrusion tooling
- Main entry port diameter 15 mm, M40x1.5
- Auxiliary entry port diameter 8 mm, M20x1.5
- Heating zones number :
 - body 2
 - distributor 1
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 30 kg

Options

- Striping
- Skin coloration
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley



E14AN11



Characteristics

- Main applications :
 - single layer
 - single layer + striping
 - single layer + skin coloration
- Centering system Fix + Manual
- Maximum inlet diameter 14 mm
- Maximum die diameter 20 mm
- Angular index for non-round extrusion tooling
- Main entry port diameters :
 - standard 15 mm, M40x1.5
 - optimized for HFFR 20 mm, M50x1.5
- Auxiliary entry port diameters :
 - standard 8 mm, M20x1.5
 - optimized for HFFR 12 mm, M25x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 30 kg

Options

- Striping
- Skin coloration
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley

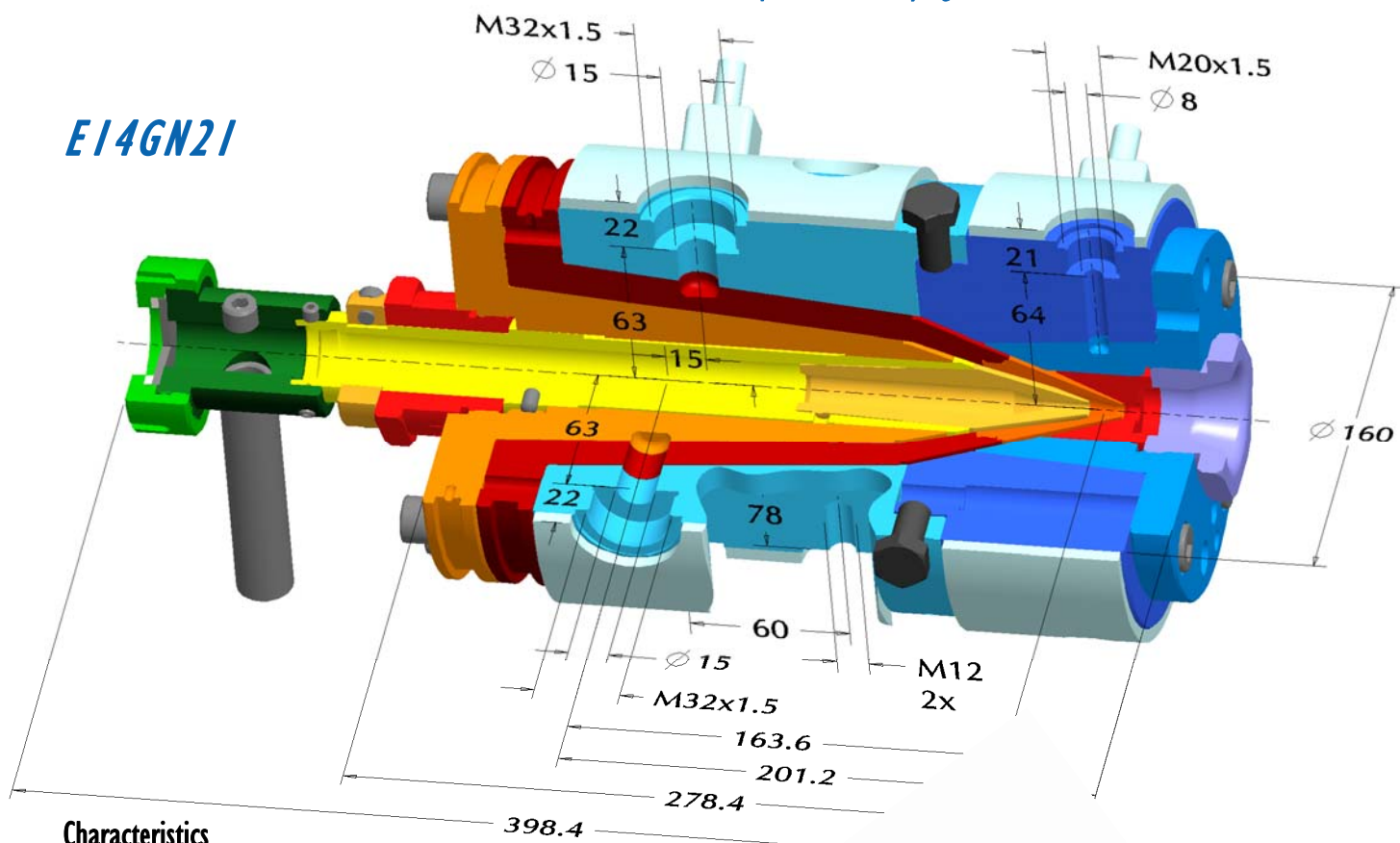


EROCARB SA

Route de Grandson
CH - 1429 Giez
Switzerland

Phone: +41 24 446 23 03
Fax: +41 24 446 23 51
info@erocarb.ch
www.erocarb.ch

E14GN2I



Characteristics

- Main applications :
 - double layers
 - double layers + striping
 - double layers + skin coloration
- Centering system Fix + Manual
- Maximum inlet diameter 14 mm
- Maximum die diameter 20 mm
- Angular index for non-round extrusion tooling
- Entry ports diameters (2x) :
 - standard 15 mm, M32x1.5
 - optimized for HFFR 20 mm, M32x1.5
- Auxiliary entry port diameters :
 - standard 8 mm, M20x1.5
 - optimized for HFFR 12 mm, M25x1.5
- Heating zones number :
 - body 2
 - main extruder connections 2
 - auxiliary extruder connect. 1
- Weight, approximately 45 kg

Options

- Single layer
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley

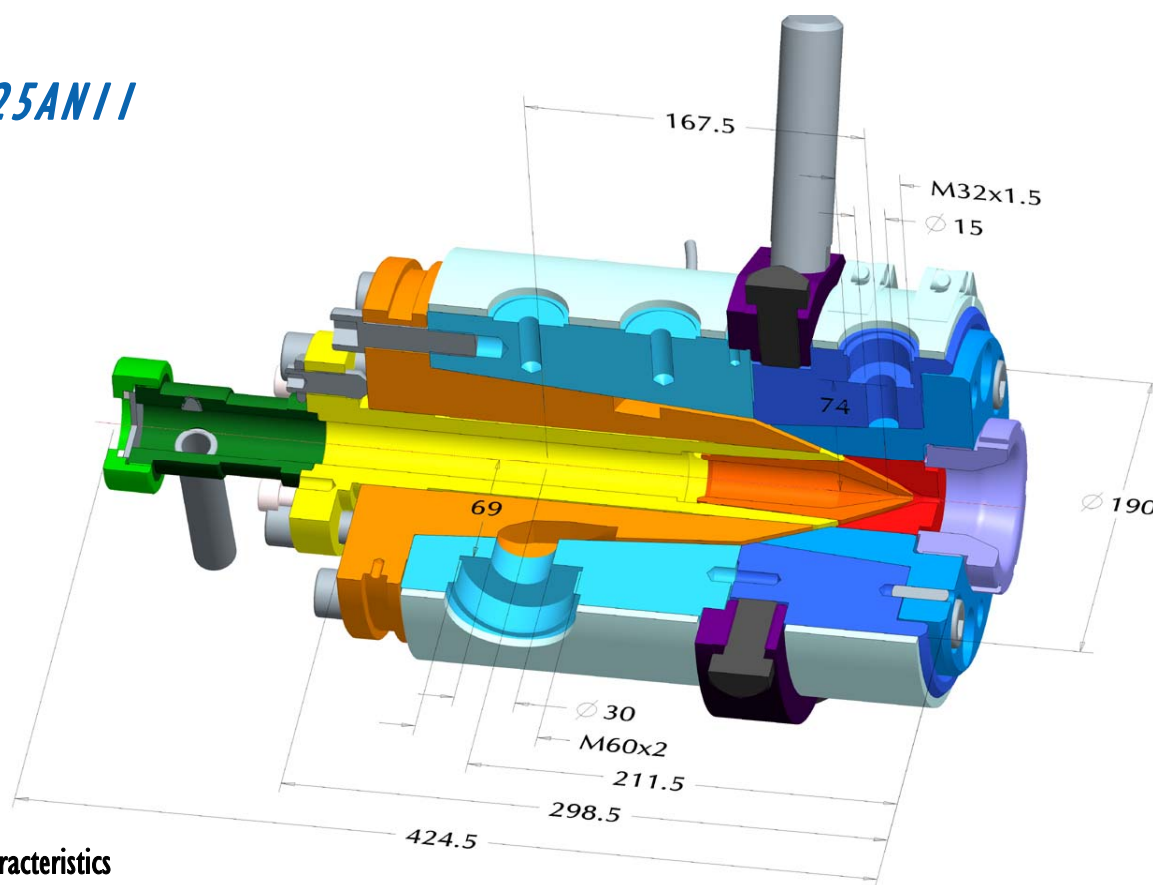


EROCARB SA

Route de Grandson
CH - 1429 Giez
Switzerland

Phone: +41 24 446 23 03
Fax: +41 24 446 23 51
info@erocarb.ch
www.erocarb.ch

E25AN11



Characteristics

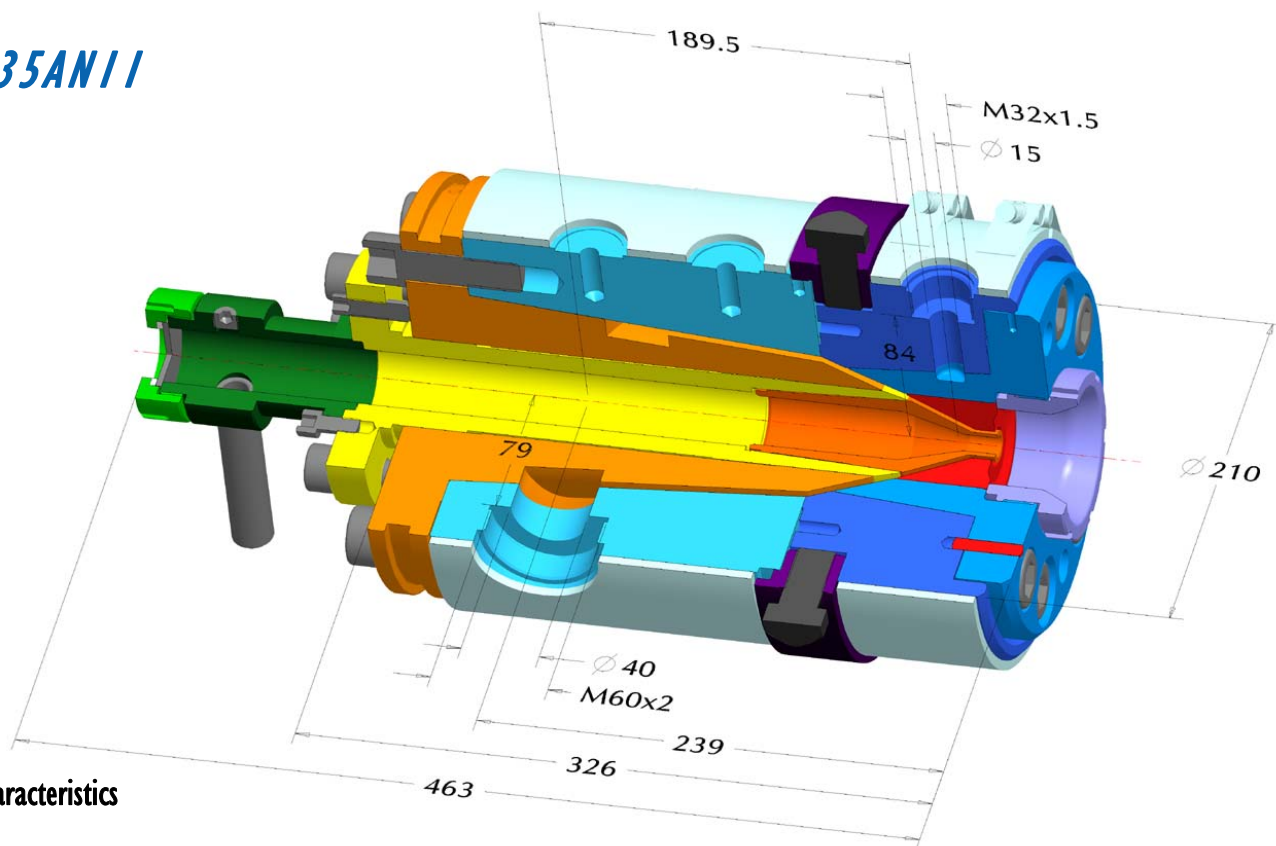
- Main applications :
 - Single layer
 - Single layer + striping
 - Single layer + skin coloration
- Centering system Manual
- Maximum inlet diameter 25 mm
- Maximum die diameter 30 mm
- Angular index for non-round extrusion tooling
- Main entry port diameter 30 mm, M60x2
- Auxiliary entry port diameters :
 - standard 15 mm, M32x1.5
 - optimized for HFFR 20 mm, M32x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 75 kg

Options

- Striping
- Skin coloration
- Fix-manual centering by ring
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley



E35AN11



Characteristics

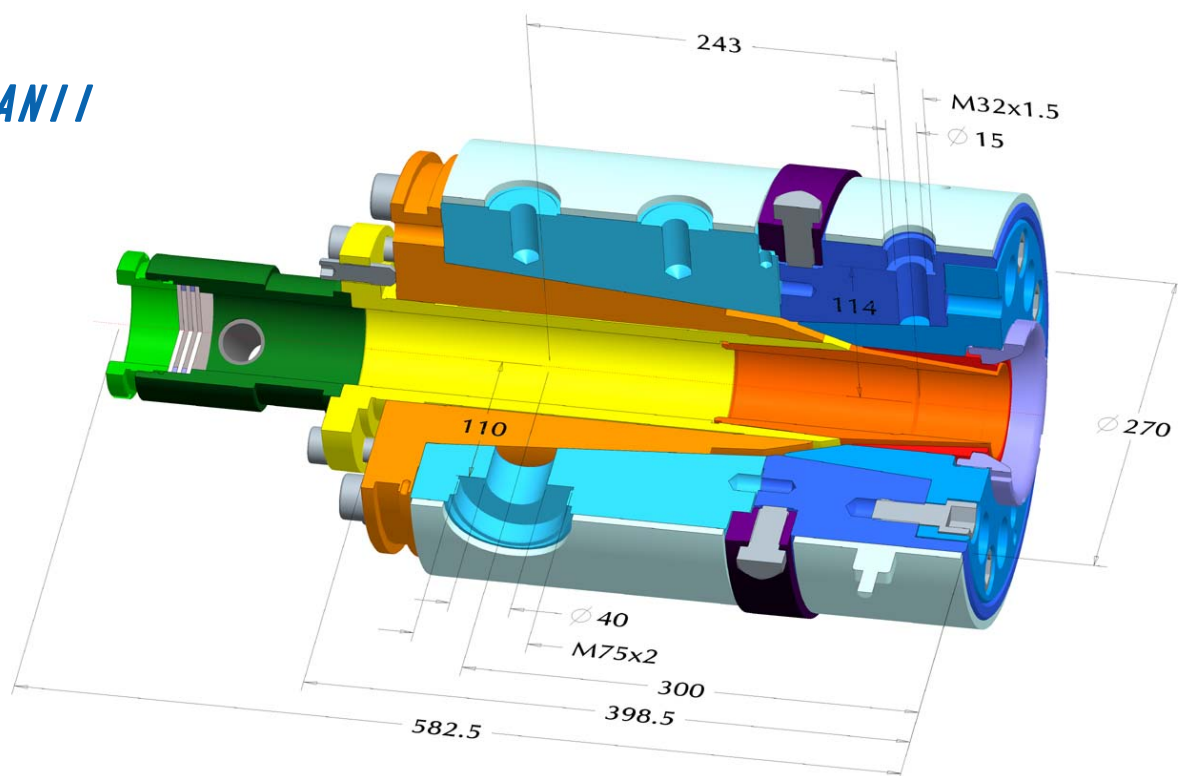
- Main applications :
 - single layer
 - single layer + striping
 - single layer + skin coloration
- Centering system Manual
- Maximum inlet diameter 35 mm
- Maximum die diameter 45 mm
- Angular index for non-round extrusion tooling
- Main entry port diameter 40 mm, M60x2
- Auxiliary entry port diameters :
 - standard 15 mm, M32x1.5
 - optimized for HFFR 20 mm, M32x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 100 kg

Options

- Striping
- Skin coloration
- Fix-manual centering by ring
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley



E60AN11



Characteristics

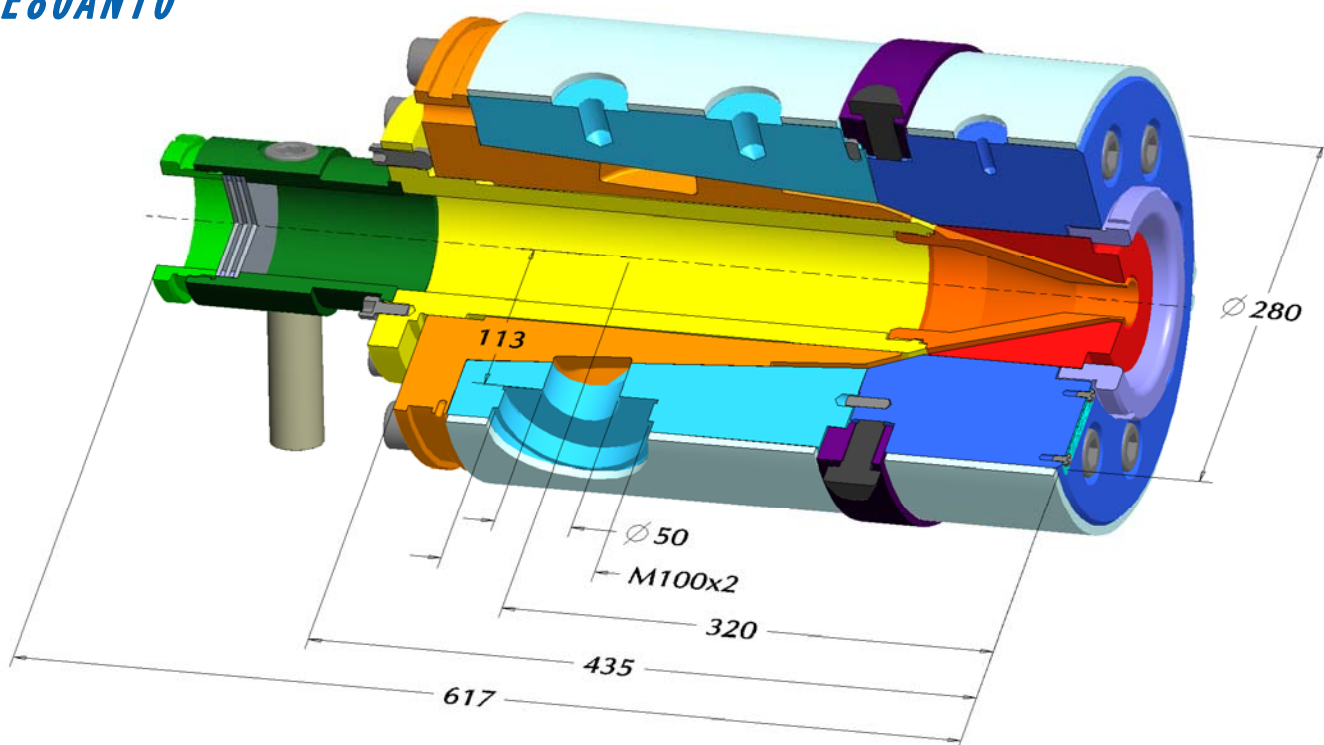
- Main applications :
 - Single layer
 - Single layer + striping
 - Single layer + skin coloration
- Centering system Manual
- Maximum inlet diameter 60 mm
- Maximum die diameter 70 mm
- Main entry port diameter 40 mm, M75x2
- Auxiliary entry port diameters :
 - standard 15 mm, M32x1.5
 - optimized for HFFR 20 mm, M32x2
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 200 kg

Options

- Striping
- Skin coloration
- Fix-manual centering by ring
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : manual or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Angular index for non-round extrusion tooling
- Crosshead holder or trolley



E80AN10



Characteristics

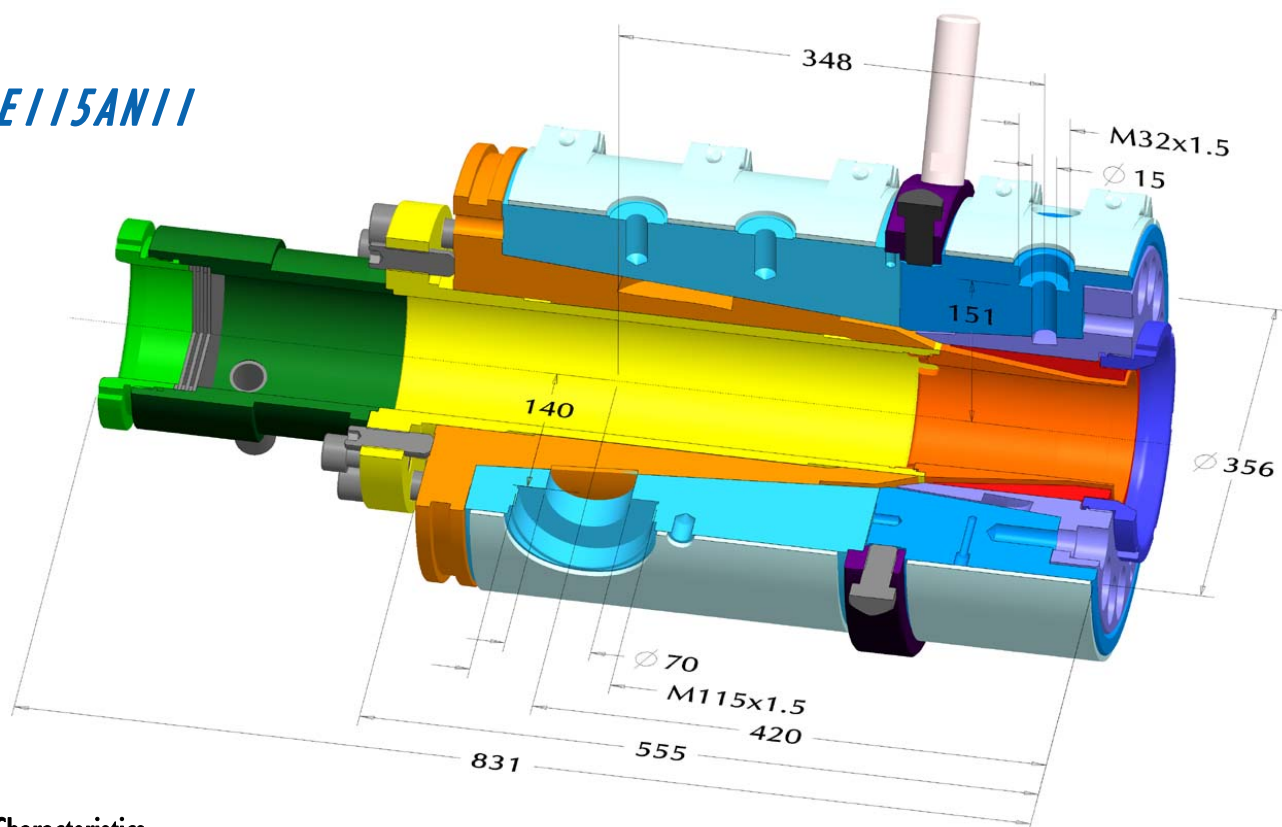
- Main applications :
 - Single layer
- Centering system Fix-manual by ring
- Maximum inlet diameter 80 mm
- Maximum die diameter 95 mm
- Main entry port diameter 50 mm, M100x2
- Heating zones number :
 - body 2
 - main extruder connection 1
- Weight, approximately 230 kg

Options

- Striping (E80AN11)
- Skin coloration (E80AN11)
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead trolley



E115AN11



Characteristics

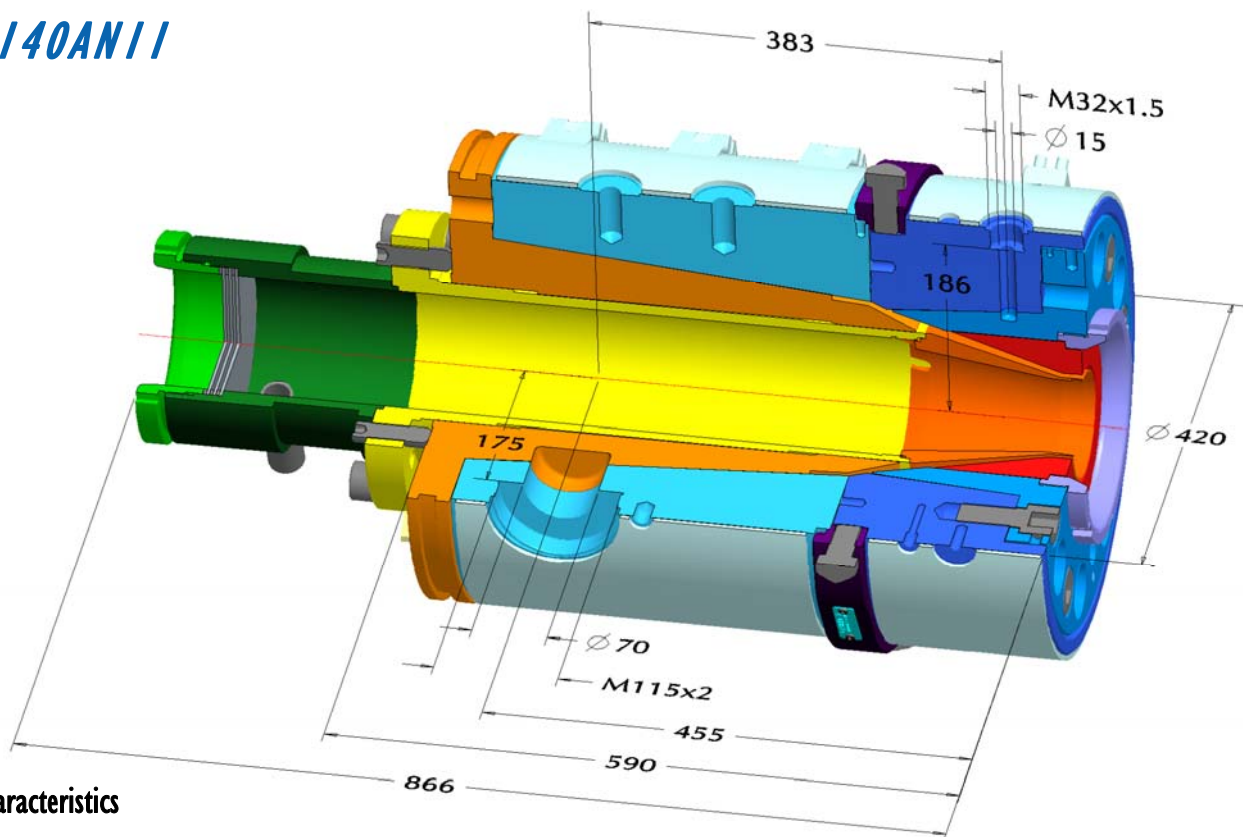
- Main applications :
 - Single layer
 - Single layer + striping
 - Single layer + skin coloration
- Centering system Manual
- Maximum inlet diameter 115 mm
- Maximum die diameter 130 mm
- Main entry port diameters :
 - standard 50 mm, M100x2
 - optimized for HFFR 70 mm, M115x1.5
- Auxiliary entry port diameters :
 - standard 15 mm, M32x1.5
 - optimized for HFFR 20 mm, M32x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 500 kg

Options

- Striping
- Skin coloration
- Fix-manual centering by ring
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Angular index for non-round extrusion tooling
- Crosshead trolley



E140AN11



Characteristics

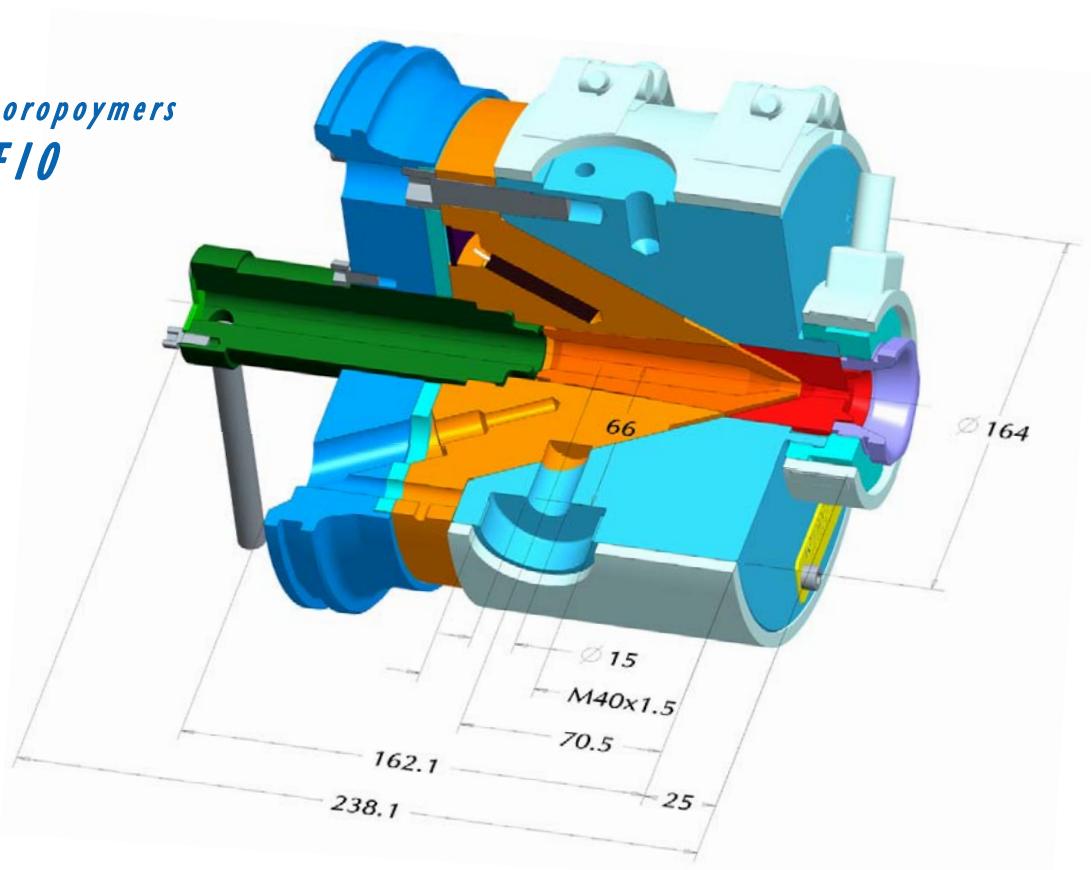
- Main applications :
 - Single layer
 - Single layer + striping
 - Single layer + skin coloration
- Centering system Manual
- Maximum inlet diameter 140 mm
- Maximum die diameter 150 mm
- Main entry port diameters :
 - standard 70 mm, M115x2
- Auxiliary entry port diameters :
 - standard 15 mm, M32x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 850 kg

Options

- Striping
- Skin coloration
- Fix-manual centering by ring
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with bypass : hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead trolley



For Fluoropolymers
E12BF10



Characteristics

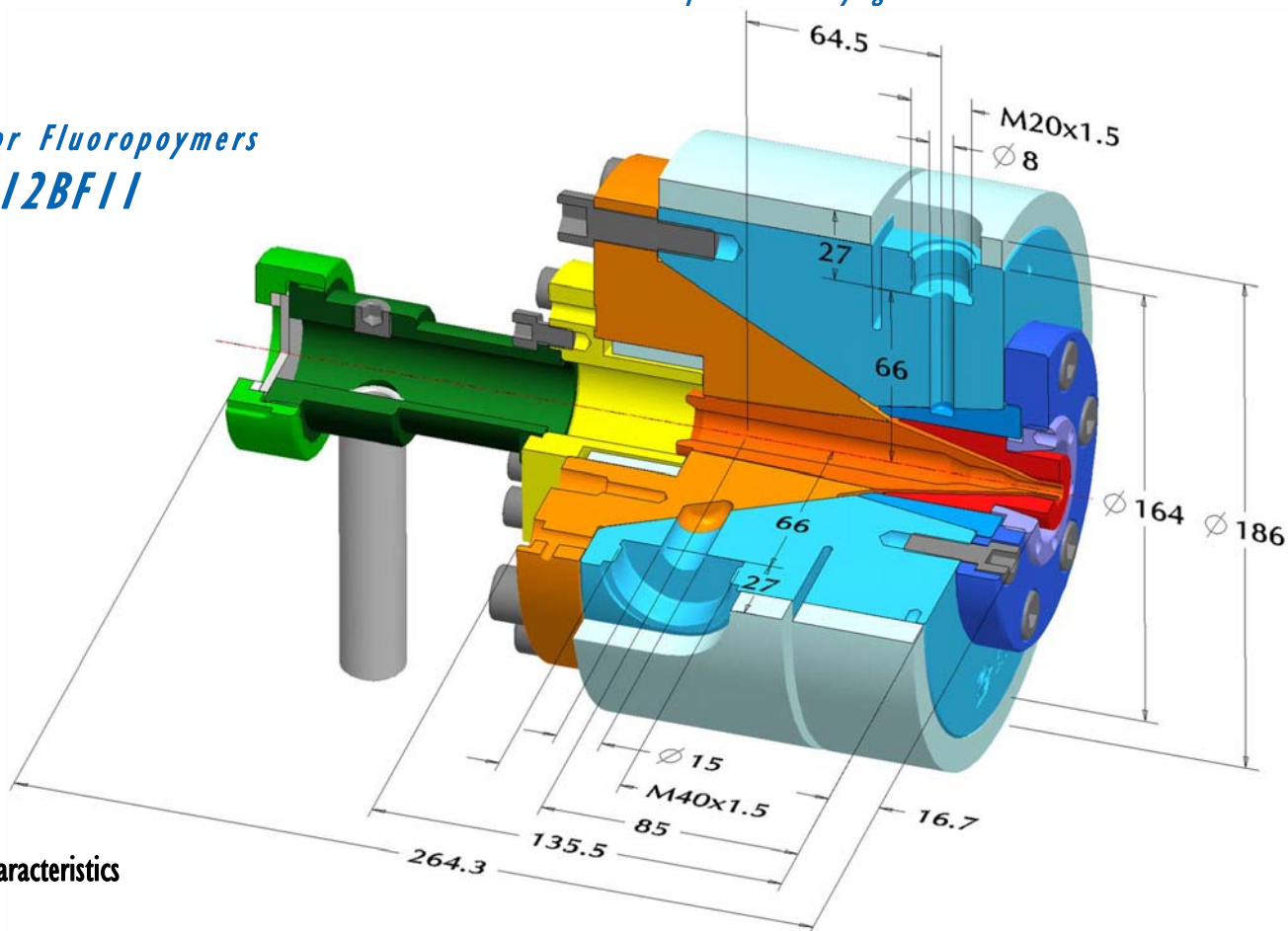
- Main applications :
 - single layer
- Centering system Fix
- Special heaters for **fluoropolymers** (450°C)
- Made of Hastelloy C276
- Maximum inlet diameter 12 mm
- Maximum die diameter 20 mm
- Angular index for non-round extrusion tooling
- Entry port diameter 15 mm, M40x1.5
- Heating zones number :
 - body 2
 - distributor 1
 - main extruder connection 1
- Weight, approximately 30 kg

Options

- Distributor shape optimized according to wall thickness
- Made of **Inconel**
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley



For Fluoropolymers
E12BF11



Characteristics

- Main applications :
 - single layer
 - single layer + striping
 - single layer + skin coloration
- Centering system Fix
- Special heaters for **fluoropolymers** (450°C)
- Made of Hastelloy C276
- Maximum inlet diameter 12 mm
- Maximum die diameter 20 mm
- Angular index for non-round extrusion tooling
- Main entry port diameter 15 mm, M40x1.5
- Auxiliary entry port diameter 8 mm, M20x1.5
- Heating zones number :
 - body 2
 - distributor 1
 - main extruder connection 1
- Weight, approximately 30 kg

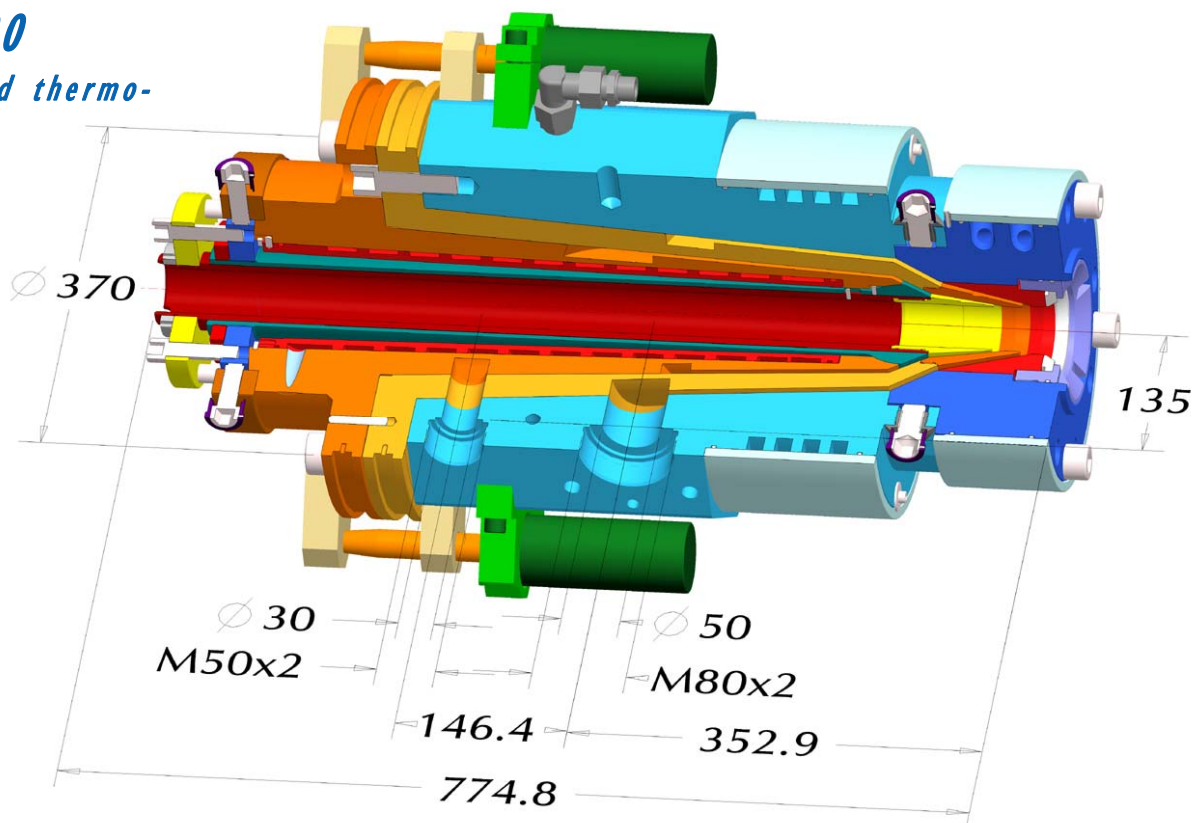
Options

- Striping
- Skin coloration
- Distributor shape optimized according to wall thickness
- Made of **Inconel**
- Module with telescopic withdraw of distributor for cleaning
- Vacuum connection
- Extruder connection :
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley



E50GT20

With fluid thermo-regulated zones



Characteristics

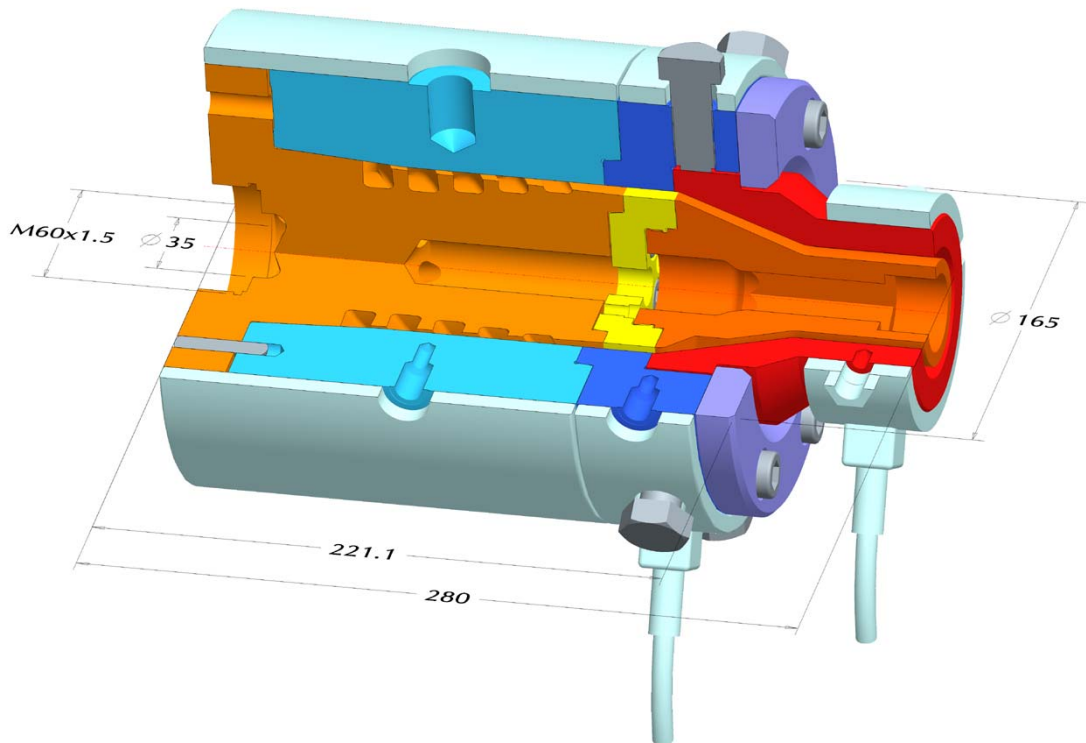
- Main applications :
 - For CV line
- Centering system :
 - on front head for die Manual
 - on back for tip Fix + Manual
- Maximum inlet diameter 50 mm
- Maximum die diameter 70 mm
- Main entry port diameter 50 mm, M80x2
- Auxiliary entry port diameter 30 mm, M50x2
- Zones of thermoregulation (by fluid circulation) :
 - crosshead body |
 - die holder |
 - inner distributor |
 - main extruder connection |
 - auxiliary extruder connect. |
- Weight, approximately 450 kg

Options

- Single layer
- Double layer and striping
- Triple layer
- Fix centering only
- Distributor shape optimized according to polymer
- Module with telescopic withdraw of distributor for cleaning manual or hydraulic operated
- Vacuum connection
- Extruder connection :
 - with bypass : manual or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead trolley
- other dimensions available : E80GT / E100GT



E50LF10 – in line head



Characteristics

- Main applications :
O pipes single layer
- Centering system Manual
- Maximum die diameter 50 mm
- Entry port diameter 35 mm, M60x1.5
- Heating zones number :
O body 2
O die 1
O main extruder connection 1
- Weight, approximately 40 kg

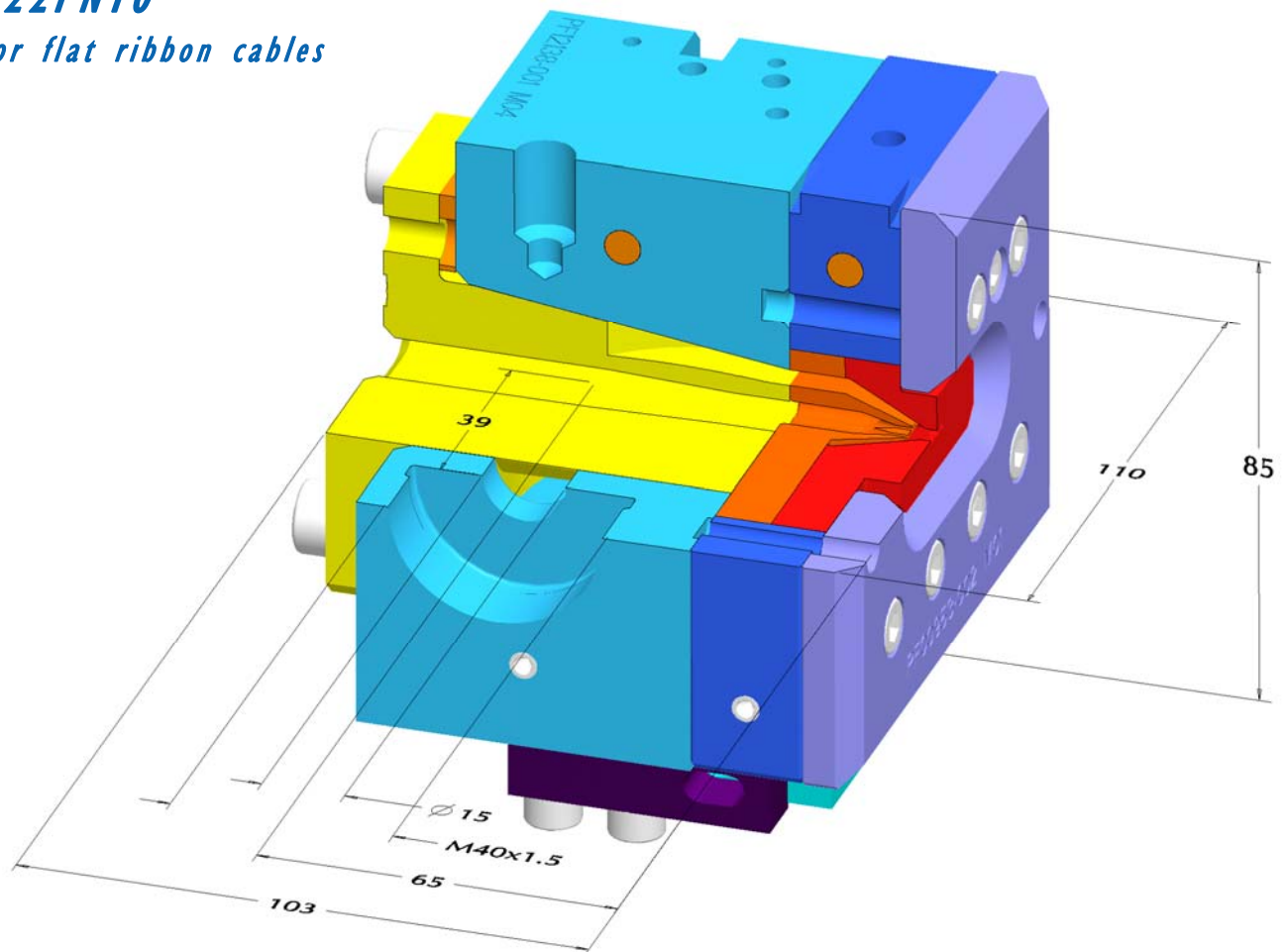
Options

- Distributor shape optimized according to polymer
- Fix-manual centering by ring
- Extruder connection :
O with bypass : manual or hydraulic
O with manual or hydraulic head clamp
O temperature gauge
O pressure gauge
- Crosshead holder or trolley
- other dimensions available : E16LN / E70LN



E22PN10

for flat ribbon cables



Characteristics

- Main applications :
○ single layer
- Centering system Fix
- Maximum cable width 22 mm
- Main entry port diameter 15 mm, M40x1.5
- Heating zones number :
○ body 2
○ main extruder connection 1
○ auxiliary extruder connect. 1
- Weight, approximately 8 kg

Options

- Striping (E22PN11)
- Distributor shape optimized according to polymer
- Extruder connection :
○ with bypass : manual, pneumatic or hydraulic
○ with manual or hydraulic heated clamp
○ temperature gauge
○ pressure gauge
- Crosshead holder or trolley
- other dimensions available : E52PN / E82PN / E102PN / E122PN / E152PN



EROCARB SA

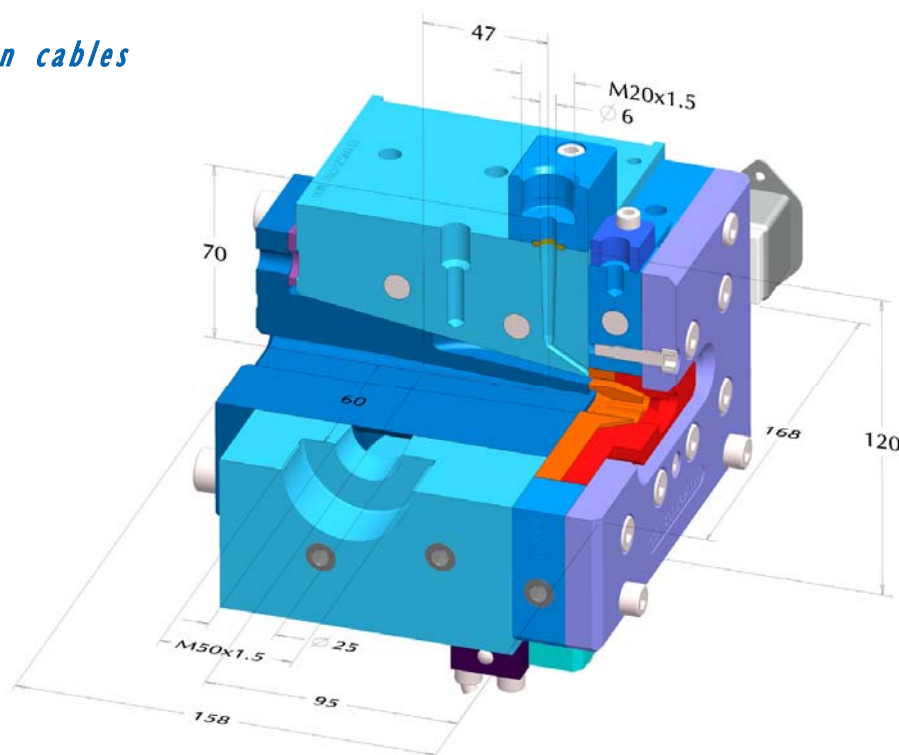
21

Route de Grandson
CH - 1429 Giez
Switzerland

Phone: +41 24 446 23 03
Fax: +41 24 446 23 51
info@erocarb.ch
www.erocarb.ch

E52PN11

for flat ribbon cables



Characteristics

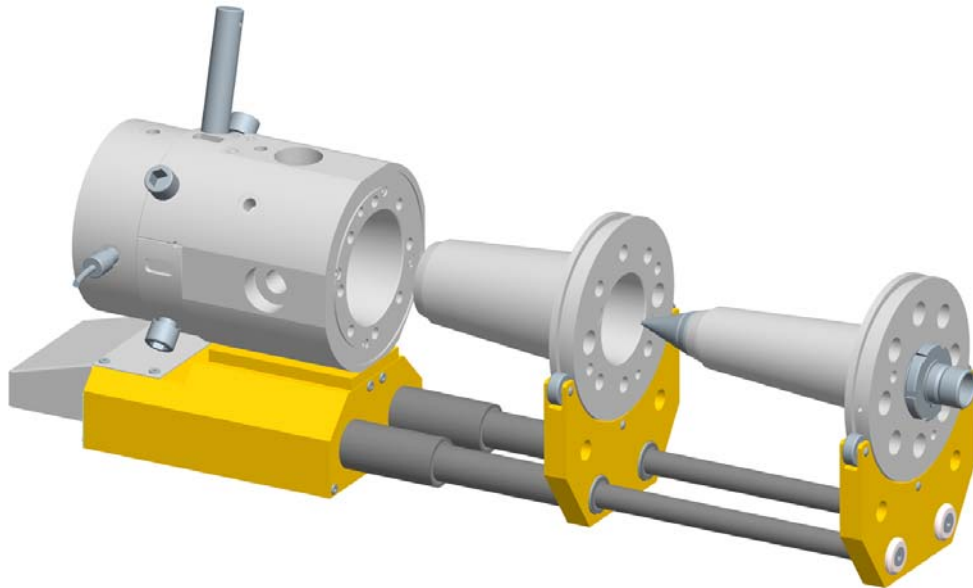
- Main applications :
 - single layer
 - single layer + stripe
- Centering system Fix
- Cable width :
 - Maximum 52 mm
 - Minimum 13 mm
- Main entry port diameter 25 mm, M50x1.5
- Auxiliary entry port diameter 6 mm, M20x1.5
- Heating zones number :
 - body 2
 - main extruder connection 1
 - auxiliary extruder connect. 1
- Weight, approximately 25 kg

Options

- Striping
- Distributor shape optimized according to polymer
- Extruder connection :
 - with bypass : manual, pneumatic or hydraulic
 - with manual or hydraulic heated clamp
 - temperature gauge
 - pressure gauge
- Crosshead holder or trolley
- other dimensions available : E22PN / E82PN / E102PN / E122PN / E152PN



ETEL - Module with telescopic withdraw of distributor



Characteristics

- For distributor cleaning "in situ"
- Free rotation of the distributor on the module for easier cleaning
- Locking device to prevent the distributor from rotation
- No maintenance
- Can be adapted to fit existing crossheads

Options

- Linear motion :
 - manual
 - hydraulic
- Rotation axis to have free access to the crosshead
- inside body for cleaning



EXTRUSION TOOLING



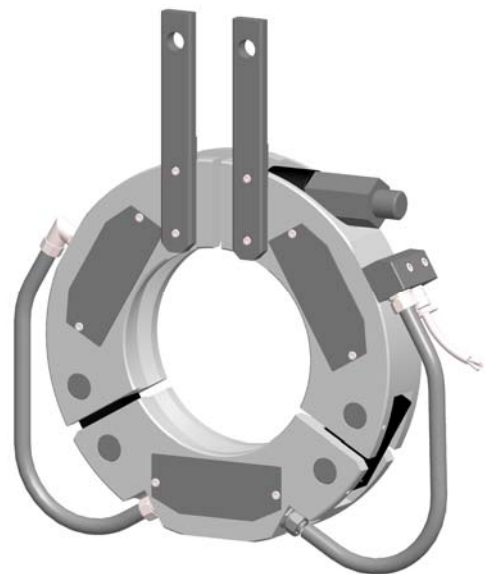
MAINTENANCE TOOL BOX



CROSSHEAD SUPPORT TROLLEY



MANUAL OR AUTOMATIC OPERATED HEATED CLAMP



EROCARB SA

Route de Grandson
CH - 1429 Giez
Switzerland

Phone: +41 24 446 23 03
Fax: +41 24 446 23 51
info@erocarb.ch
www.erocarb.ch