



MX series cylinders are entirely made in stainless steel. They are ideal for the food and pharmaceutical industry and are available with three different bores: 16-20-25 mm. Both front and rear heads are fixed to the tube through a rolling process. They are available in different versions, single or double effect, magnetic, cushioned. A complete range of fixing accessories is available, and the production of customized cylinders on drawing is possible.

La série des microvérins MX est entièrement en inox. Idéale pour l'industrie alimentaire, est disponible dans les tailles 16-20-25 mm. Le nez et le fond sont sertis sur le tube. Plusieurs versions: simple ou double effet, magnétique et amorti. Une gamme complète de fixations en inox est disponible pour cette série. Sur demande, il est possible de créer des versions spéciales.

La serie di cilindri MX è completamente in acciaio inox. Ideali per applicazioni nel settore alimentare e farmaceutico, vengono realizzati in tre diametri 16-20-25. Anche in questa versione le testate sono fissate alla camicia mediante rullatura. Sono disponibili differenti versioni, semplice e doppio effetto, magnetico e ammortizzato. Su richiesta è possibile realizzare soluzioni speciali.

ORDERING CODE / CODIFICATION / CHIAVE DI CODIFICA

M X 0 0 1 0 0 0 0

Stroke / Course / Corsa

Ø cylinder / Ø vérin / Ø cilindro

SEALS / JOINTS / GUARNIZIONI

1= Standard / Standard / Standard (-20°C / +80°C)

3= High temperature / Haute température / Alta temperatura (-10°C / +150°C)

4= Viton on the rod only / Viton sur la tige uniquement / Viton solo sullo stelo

8= Low temperature / Basse température / Bassa temperatura (-40°C / +80°C)

VERSION / VERSION / VERSIONE

01=Double acting magnetic / Double effet magnétique / Doppio effetto magnetico

03=Double acting through rod magnetic / Double effet tige traversante magnétique / Doppio effetto stelo passante magnetico

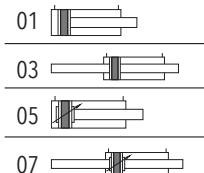
05=Double acting magnetic cushioned / Double effet magnétique amorti / Doppio effetto magnetico ammortizzato

07=Double acting through rod magnetic cushioned / Double effet tige traversante magnétique amorti / Doppio effetto stelo passante magnetico ammortizzato



On request ATEX version:
Sur demande version ATEX:
Su richiesta versione ATEX:
Ex II 2G Ex h II c T5 Gb
Ex II 2D Ex h III c T100°C Db

VERSION / VERSIONE / VERSION



STANDARD STROKES / COURSE STANDARD / CORSE STANDARD

Double acting / Double effet / Doppio effetto

Ø16 mm 10-25-50-80-100-125-160-200-250-320-400-500

Ø20 mm 10-25-50-80-100-125-160-200-250-320-400-500

Ø25 mm 10-25-50-80-100-125-160-200-250-320-400-500

Cushioning / Avec amortissement / Ammortizzato

Ø20 mm 10-25-50-80-100-125-160-200-250-320

Ø25 mm 10-25-50-80-100-125-160-200-250-320-400-500

TECHNICAL DATA / DONNÉES TECHNIQUES / DATI TECNICI

Fluid / Fluide / Fluido

Lubricated or non lubricated air / Air lubrifié ou non lubrifié / Aria con o senza lubrificazione

Operating temperature range / Température d'utilisation / Temp. di esercizio

(-20°C / +80°C) (-10°C / +150°C) (-40°C / +80°C)

Max operating pressure / Pression maximum / Pressione massima di esercizio

10 bar

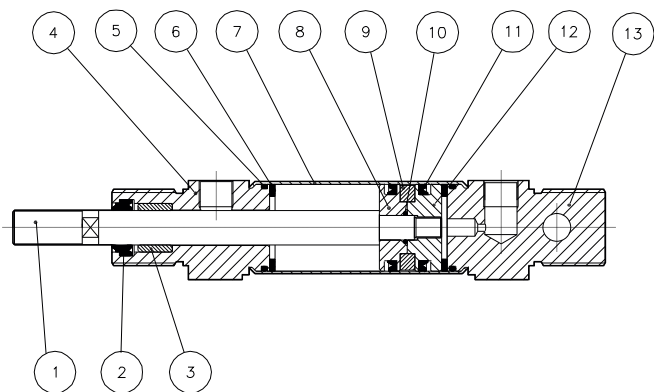
Force / Force / Forze sviluppate

Technical informations page / Page informations techniques / Pagina dati tecnici

Air consumption / Consommation d'air / Consumo aria

Technical informations page / Page informations techniques / Pagina dati tecnici

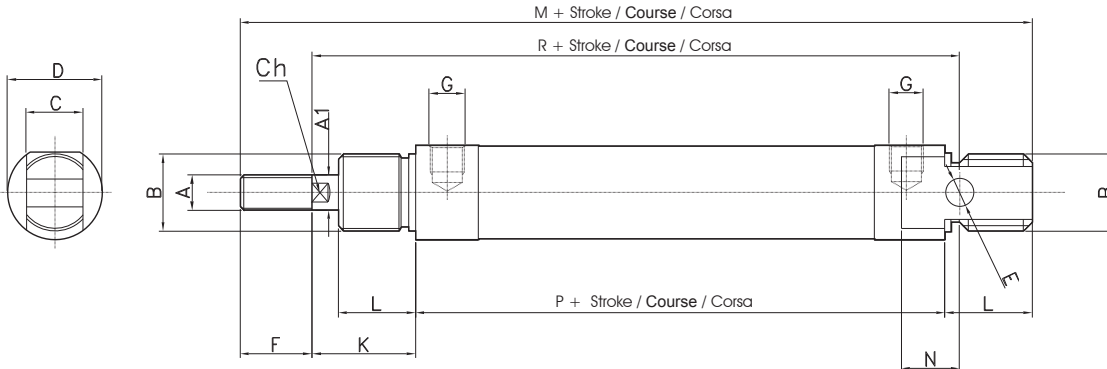
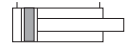
COMPONENTS / COMPOSANTS / COMPONENTI



N.	DESCRIPTION / DESCRIPTION / DESCRIZIONE	MATERIAL / MATIÈRE / MATERIALE
1	rod / tige / stelo	stainless steel AISI 316 / acier AISI 316 / acciaio inox 316
2	rod seal / joints tige / guarnizione stelo	polyurethane / polyuréthane / poliuretano
3	guide bush / bague guidage / bussola guida	bronze / bronze / bronzo
4	front cap / fond antérieur / testata anteriore	stainless steel AISI 304 / acier AISI 304 / acciaio inox 304
5	o-ring / joint torique	NBR
6	bumper / butoir / paracolpo	NBR
7	tube / tube / tube	stainless steel AISI 304 / acier AISI 304 / acciaio inox 304
8	piston / piston / pistone	brass / laiton / ottone
9	magnet / aimant / magnete	plastoferrite
10	o-ring / joint torique	NBR
11	seal piston / joints piston / guarnizione pist.	polyurethane / polyuréthane / poliuretano
12	piston / piston / pistone	brass / laiton / ottone
13	rear cap / fond postérieur / testata post.	stainless steel AISI 304 / acier AISI 304 / acciaio inox 304

Double acting magnetic
Double effet magnétique
Doppio effetto magnetico

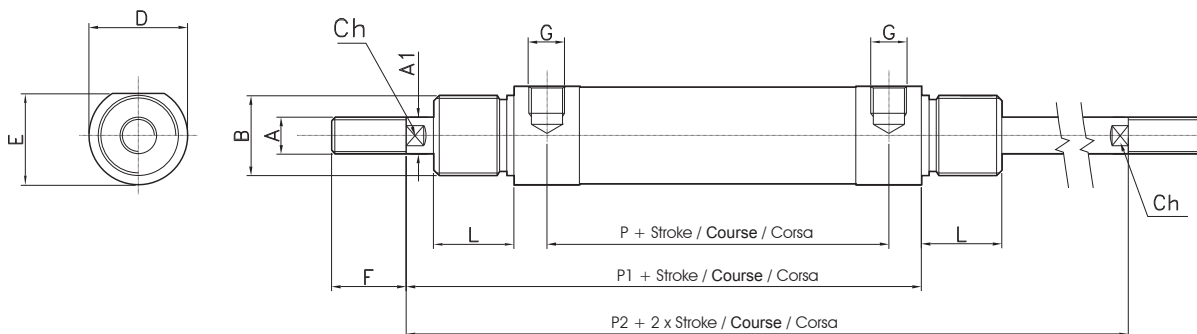
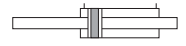
CODE: MX011.Ø.mm



Ø	A	A1	B	C	D	E	F	G	K	L	M	N	P	R	CH
16	M6	6	M16x1.5	12	19	6	16	M5	22	18	109	9	53	82	5
20	M8	8	M22x1.5	16	27	8	20	1/8 G	24	20	131	12	67	95	7
25	M10x1.25	10	M22x1.5	16	30	8	22	1/8 G	28	22	140	12	68	104	9

Double acting through rod magnetic
Double effet tige traversante magnétique
Doppio effetto stelo passante magnetico

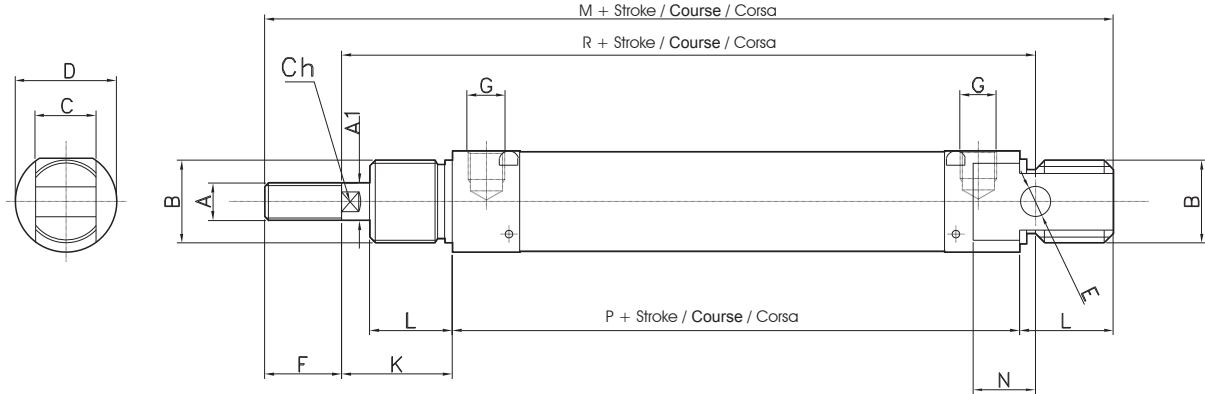
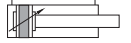
CODE: MX031.Ø.mm



Ø	A	A1	B	D	E	F	G	L	P	P1	P2	CH
16	M6	6	M16x1.5	19	18	16	M5	18	43	75.5	97.5	5
20	M8	8	M22x1.5	27	25.5	20	1/8" G	20	51.5	92	116	7
25	M10x1.25	10	M22x1.5	30	28.5	22	1/8" G	22	52	97	125	9

Double acting magnetic cushioned
Double effet magnétique amorti
Doppio effetto magnetico ammortizzato

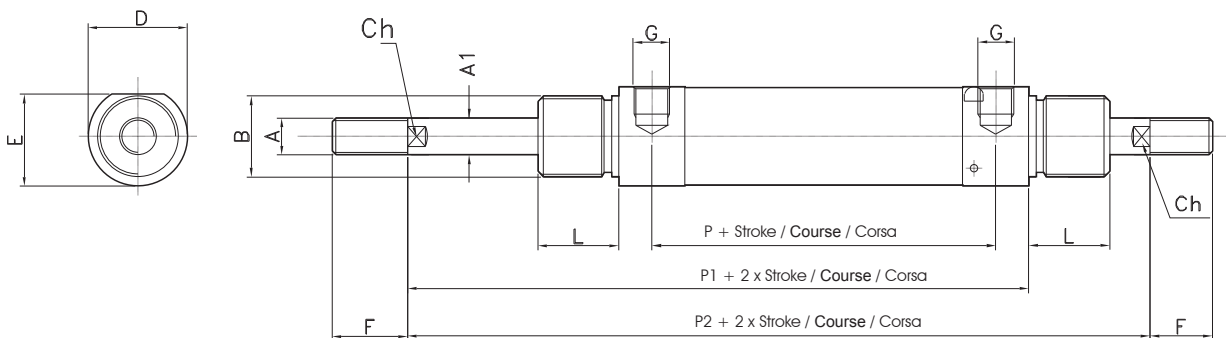
CODE: MX051.Ø.mm



Ø	A	A1	B	C	D	E	F	G	K	L	M	N	P	R	CH
20	M8	8	M22x1.5	16	27	8	20	1/8 G	24	20	131	12	67	95	7
25	M10x1.25	10	M22x1.5	16	30	8	22	1/8 G	28	22	140	12	68	104	9

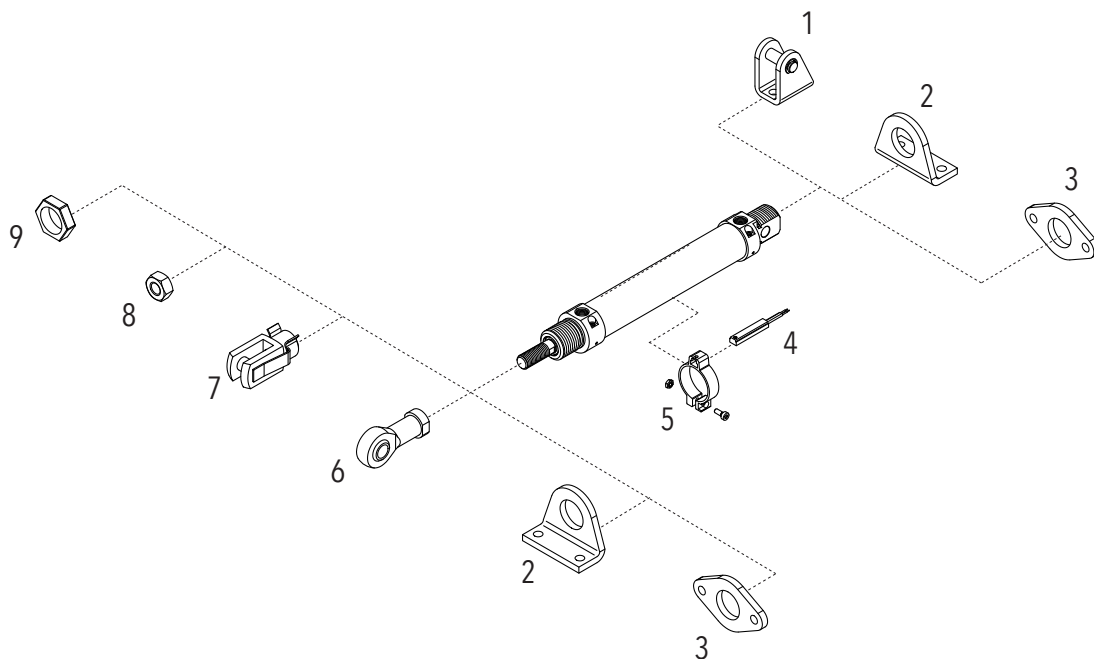
Double acting through rod magnetic cushioned
Double effetige traversante magnétique amorti
Doppio effetto stelo passante magnetico ammortizzato

CODE: MX071.Ø.mm



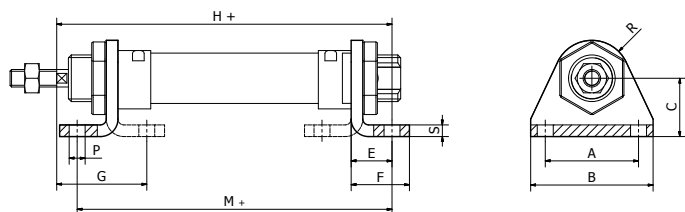
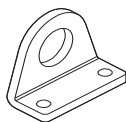
Ø	A	A1	B	D	E	F	G	L	P	P1	P2	CH
20	M8	8	M22x1.5	27	25.5	20	1/8" G	20	51	91	115	7
25	M10x1.25	10	M22x1.5	30	28.5	22	1/8" G	22	52	96	124	9

MOUNTING PARTS / ACCESSOIRES DE MONTAGE / ACCESSORI DI FISSAGGIO



POS.	DESCRIPTION / DESCRIPTION / DESCRIZIONE	CODE / CODE / CODICE	PAGE / PAGE / PAGINA
1	Female hinge / Chape arriere / Cerniera femmina	AR4163 Ø	1.21
2	Pedestal / Equerre / Piedino	AR4161 Ø	1.21
3	Flange / Bride / Flangia	AR4162 Ø	1.21
4	T switch / Capteur en T / Sensore a T	AR4023...	1.22
5	Adaptor for T switch / Adaptateur capteur en T / Adattatore sensore a T	AR4199 Ø	1.22
6	Rod ends / Chape de tige rotulée / Testa a snodo	AR4187...	1.22
7	Yoke with clip / Chape de tige / Forcella con clip	AR421...	1.22
8	Nut for rod / Ecrou pour tige / Dado per stelo	DIN...	1.21
9	Nut for cap / Ecrou de nez / Dado per testata	DIB...	1.21

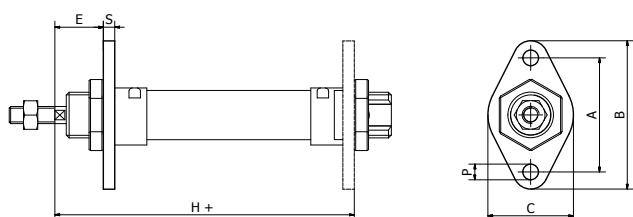
PEDESTAL
EQUERRE
PIEDINO



CODE MATERIAL / MATIÈRE / MATERIALE
AR4161 Ø Stainless steel AISI 304 / **Inox AISI 304** / *Inox AISI 304*

Ø	A	B	C	E	F	G	H	M	P	R	S
16	32	42	20	14	20	32	91	83	5.5	12.5	4
20	40	54	25	17	25	36	108	101	6.6	20	5
25	40	54	25	17	25	40	113	102	6.6	20	5

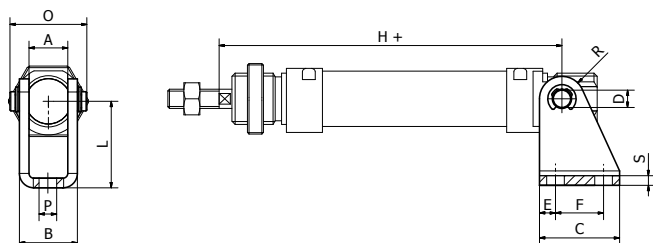
FLANGE
BRIDE
FLANGIA



CODE MATERIAL / MATIÈRE / MATERIALE
AR4162 Ø Stainless steel AISI 304 / **Inox AISI 304** / *Inox AISI 304*

Ø	A	B	C	E	H	P	S
16	40	52	30	18	79	5.5	4
20	50	66	40	19	96	6.6	5
25	50	66	40	23	101	6.6	5

FEMALE HINGE
CHARNIERE FEMELLE
CERNIERA FEMMINA

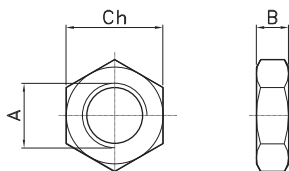


CODE MATERIAL / MATIÈRE / MATERIALE
AR4163 Ø Stainless steel AISI 304 / **Inox AISI 304** / *Inox AISI 304*

Ø	A	B	C	D	E	F	H	L	O	P	R	S
16	12.1	18.1	25	6	5	15	82	27	23	5.5	12	3
20	16.1	24.1	32	8	6	20	95	30	29.5	6.6	16	4
25	16.1	24.1	32	8	6	20	104	30	29.5	6.6	16	4

NUT FOR CAP
ECROU DE NEZ
DADO PER TESTATA

Material: Stainless steel AISI 304
Matière: Inox AISI 304
Materiale: *Inox AISI 304*

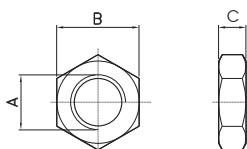


CODE Ø
DIB16x1,5 16
DIB22x1,5 20-25

Ø	A	B	Ch
16	M16x1,5	8	24
20-25	M22x1,5	10	32

NUT FOR ROD
ECROU DE TIGE
DADO PER STELO

Material: Stainless steel AISI 304
Matière: Inox AISI 304
Materiale: *Inox AISI 304*



CODE Ø
DIN6 16
DIN8 20
DIN10x1,5 25

Ø	A	B	Ch
16	M6	10	5
20	M8	13	6.5
25	M10x1,25	17	8

ROD ENDS

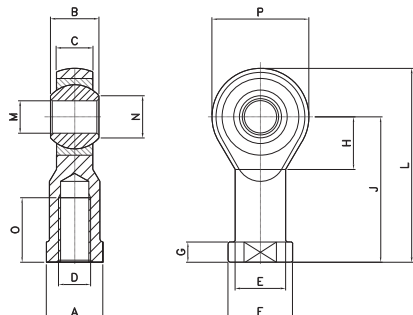
CHAPE DE TIGE ROTULEE

TESTA A SNODO

Material: Stainless steel AISI 304

Matière: **Inox AISI 304**

Materiale: **Inox AISI 304**



CODE Ø

AR4187016 16

AR4187020 20

AR4187025 25

Ø	A	B	C	D	E	F	G	H	J	L	M	N	O	P
12-16	11	9	6.75	M6	10	13	5	11	30	40	6	8.9	12	20
20	14	12	9	M8	12.5	16	5	13	36	48	8	10.4	16	24
25	17	14	10.5	M10x1.25	15	19	6.5	15	43	57	10	12.9	20	28

YOKE WITH PIVOT

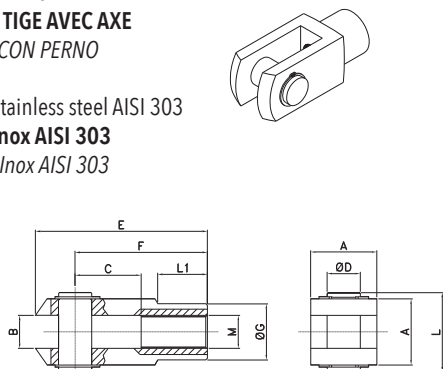
CHAPE DE TIGE AVEC AXE

FORCELLA CON PERNO

Material: Stainless steel AISI 303

Matière: **Inox AISI 303**

Materiale: **Inox AISI 303**



CODE Ø

AR4216 16

AR4217 20

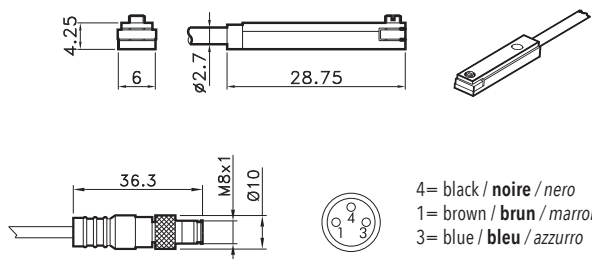
AR4218 25

Ø	A	B	C	D	E	F	G	M	L	L1
12-16	12	6	12	6	31	24	10	M6	17	9
20	16	8	16	8	42	32	14	M8	21	12
25	20	10	20	10	52	40	18	M10x1.25	25	15

T SWITCH

CAPTEUR EN T

SENSORE AT



CODE

AR4023010 REED (MT.2,5) / **REED (MT.2,5)** / REED (MT.2,5)

AR4023020 HALL (MT.2,5) / **HALL (MT.2,5)** / HALL (MT.2,5)

AR4023110 REED + M8 (CM 30) / **REED + M8** / REED + M8 (CM 30)

AR4023120 HALL + M8 (CM 30) / **HALL + M8** / HALL + M8 (CM 30)

For technical data see page 1.74

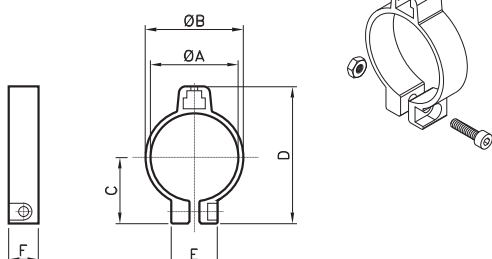
Pour les données techniques, voir page 1.74

Per i dati tecnici vedere pag. 1.74

ADAPTOR FOR T SWITCH

ADAPTATEUR CAPTEUR EN T

ADATTATORE SENSORE AT



CODE

MATERIAL / **MATIÈRE** / MATERIALE

AR4199 Ø Plastic / **Plastique** / *Plastica*

Ø	A	B	C	D	E	F
16	17.3	20.3	15.3	32.1	12.3	9
20	21.3	24.3	17.4	36.2	14	9
25	26.5	29.5	20	41.4	14	9