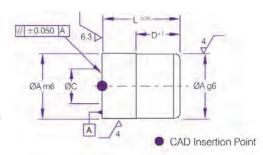






**Mat.:** INOX. 1.4034 **Hardness:** 51 ± 3 HRC. Max. working temp 150°C Patented System

Inner insert is always at the same level as the body of the date stamp. Wide range of diameters. Only a H7 pocket required for assembly. No downtime when changing inserts. Internal mechanism guarantees secure replacement of inserts.



12 Months	12 Month + Year	Year	Blank	Α	C	D	E	L	N
CFA.0422SF	FA.042212	FA.042204	FA.042200	4	2.2	6	3.5	12	4
CFA.0530SF	FA.053012	FA.053004	FA.053000	5	3	6	3.5	12	4
CFA.0632SF	FA.063212	FA.063205	FA.063200	6	3.2	12	4	20	5
CFA.0847SF	FA.084712	FA.084705	FA.084700	8	4.7	12	6	20	5
CFA.1057SF	FA.105712	FA.105706	FA.105700	10	5.7	12	8	20	6
CFA.1267SF	FA.126712	FA.126708	FA.126700	12	6.7	12	10	20	8
CFA.1687SF	FA.168712	FA.168710	FA.168700	16	8.7	12	12	20	10
CFA.2007SF	FA.200712	FA.200710	FA.200700	20	10.7	12	14	20	10

Important: Indicate the desired year after the reference. Special engraving available on request.

# **GENERAL**

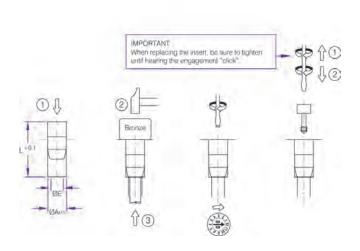
## **Date Insert**

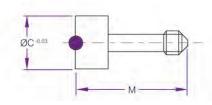






Mat.: INOX. 1.4034 Hardened 51±3HRC





	Arrow only	Year	С	М
ĺ	CIA.2275SF	IA.2275	2.2	7.5
	CIA.3075SF	IA.3075	3	7.5
	CIA.3217SF	IA.3217	3.2	17
	CIA.4717SF	IA.4717	4.7	17
	CIA.5717SF	IA.5717	5.7	17
	CIA.6717SF	IA.6717	6.7	17
	CIA.8717SF	IA.8717	8.7	17
	CIA.1007SF	IA.1007	10.7	17



Materials: Stainless Steel Hardness: 50-55 HRC.

#### **Outer Insert**









#### **Inner Insert**

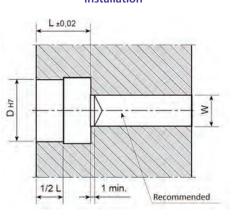




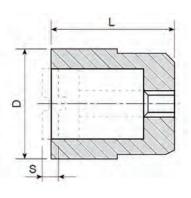
ØD	Month	Year	Day	Blank
4	CCM04	CCA0420AA	CCG04*	CCN04
5	CCM05	CCA0520AA	CCG05*	CCN05
6	CCM06	CCA0620AA	CCG06	CCN06
8	CCM08	CCA0820AA	CCG08	CCN08
10	CCM10	CCA1020AA	CCG10	CCN10
12	CCM12	CCA1220AA	CCG12	CCN12
16	CCM16	CCA1620AA	CCG16	CCN16
20	CCM20	CCA2020AA	CCG20	CCN20

ØD	Year + Arrow	Arrow
4	ICA0420AA	ICN04
5	ICA0620AA**	ICN06**
6	ICA0620AA	ICN06
8	ICA0820AA	ICN08
10	ICA1020AA	ICN10
12	ICA1220AA	ICN12
16	ICA1620AA	ICN16
20	ICA2020AA	ICN20

## Installation



#### **Outer Insert**





**Inner Insert** 

ØD	L	S	øw	A	ØС	F
4	8***	0.25	1.4	2	2.2	M1X0.25
5	8	0.20	2	2	3.1	M1.6X0.2
6	8	0.20	2	2	3.1	M1.6X0.2
8	10	0.25	3	2.5	4.4	M2.3X0.25
10	12	0.35	3	3	5.2	M2.5X0.35
12	14	0.35	4	3	6.2	M3X0.35
16	14	0.35	5	3.5	8.2	M4X0.35
20	16	0.35	5	4.5	11	M4X0.35

<sup>\*</sup> CCG04 & CCG05 have numbers only.

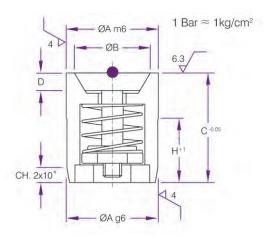
<sup>\*\*</sup> Inner insert dia.6 valid also for outer insert dia. 5.

<sup>\*\*\*</sup> Special date stamps with D=4mm and L=5mm and inner insert with C=2.1 available on request.

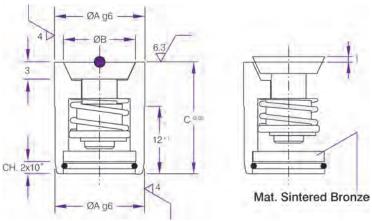




VA



FV



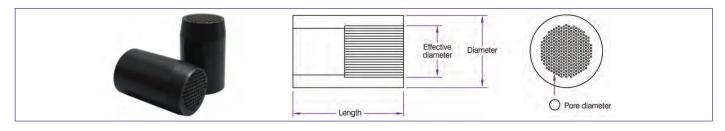
Mat.: INOX. 1.4034 Hardened 51 ± 3 HRC. Working pressure 1.5-6 BARS. Helps part ejection with air. FV has a filter incorporated. VD Allows venting. Wide range of diameters. Offers a standard solution to the moulder.

## **Standard Air Poppets**

Ref.	A	В	С	D	E	Н
VA.050412	5	3	12	1.5	4	7
VA.065212	6	5.2	12	1.5	4	7
VA.086512	8	6.5	12	1.5	4	7
VA.100812	10	8	12	2	8	7
VA.121012	12	10	12	2.5	10	7
VA.161320	16	13	20	3	12	12
VA.201720	20	17	20	3.5	16	12

#### **Filter Valve**

Product Code	A	В	С	E
FV.161320	16	13	20	14
FV.201720	20	17	20	18



Used for Plastic Injection Moulding Pore Diameter: 0.03 ~ 0.10mm

Product Code	SV030410	SV030610	SV030810	SV031010	SV050610	SV050810	SV051010	SV100810	SV101010
Outer Diameter	4	6	8	10	6	8	10	8	10
<b>Effective Diameter</b>	2.5	2.5	2.5	2.5	3.5	3.5	3.5	5.5	5.5
No. of Pores	606	606	606	606	804	804	804	780	780
Length	10	10	10	10	10	10	10	10	10

# FasTie<sup>™</sup> Ejector Fast Connectors

**GENERAL** 



## Automatically lock your ejector to tooling with fast pneumatic release

- Flexible modular system
- Hardened steel components
- Super Fast mould changes
- No mould or ejector modifications required
- Ejector force 2.5 tonnes (1") 7.5 tonnes (2")
- Space saving connectors only 1" or 2" diameter



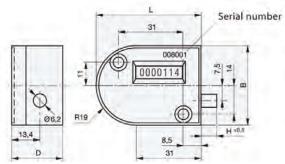


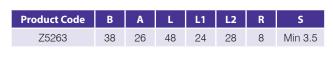




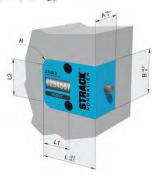
Cycle counters positively monitor mold activity, validate process monitoring data and assist mold maintenance procedures

Product Code	L	В	D	н
Z5260	50	38	24.5	7.5









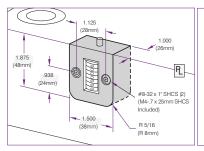
## **GENERAL**

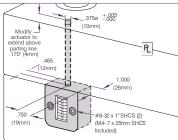
**CV** Monitor

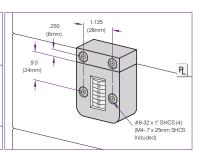












The CounterView positively monitors mold activity, validates process monitoring data, and assists mold maintenance procedures

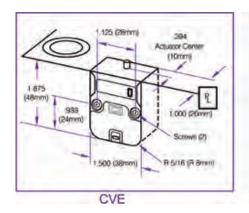
- Maximum operating temperatures: 250 °F (120 °C) Standard CounterView Counter: Non-resettable mechanical, 7-digit
- $\bullet \text{ Available for installation on the movable or stationary halves and with extensions } \bullet \text{Heat protection insulators available on request}$
- Cover Plates for protection are sold separately.

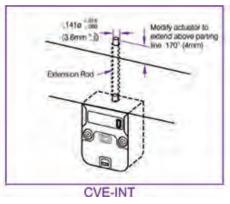
Product Code	Description	Product Code	Description	
CVPL-B	Standard: Parting Line	CVPL-A	Standard: Parting Line	
CVIN-B	Standard: Internal Extension	CVIN-A	Standard: Internal Extension	
CVE-EXT	External Mounting Block including #8-32 x 1" (2) and M4 x 25mm screws (2)			
CVID	ID Plate for CounterView			

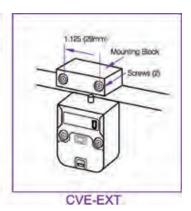


Expanding the line of mould monitoring solutions, new CVe Monitor v2 tracks mould activity, allowing users to view the data on the display or from comprehensive reports using OnDemand or the new CVe Live System.

- 7-digit LCD display with a push button to move through the display modes
- 4GB Flash drive for file storage and 4+ year battery within monitor
- Water resistant with an ingress protection rating of IP52
- Maximum temperature: 190° F (90° C)
- Dimensional compatibility with Progressive's mechanical CounterViews
- Mini USB connectivity for data retrieval with cables sold separately







500288

Cycle Count

Total cycles for the life of the mould is presented on the main screen of the CVe Monitor

EFF. 93 Efficiency Percentage The percentage of time that the mould has been actively cycling vs being idle

EAF 8.7 Cycle Time

Since the first production cycle, the cycle time is shown in seconds for the life of the mould.

EFFr 96

Efficiency Percentage-Recent The percentage of time the mould has been active in the past 25,000 cycles.

9.6 [YEr

Cycle Time-Recent

Cycle time for the past 25,000 cycles

RES 1259

Cycle Count Rest A separate counter that can be reset to 0 for interim monitoring of cycles when pressed and held

FLRSHdr

Embedded Flash Drive

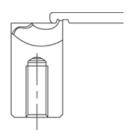
Users can utilize the 4GB flash drive on the CVe Monitor by connecting the device to a PC using an industrystandard mini USB cable, sold on the next page. Users press the button to get to the flash drive mode and then the storage area is represented on the PC by a new drive letter

Product Code	Description
CVE	CVe Monitor v2 mould Maker/moulder version including #8-32 x 1" SHCS (2) and M4 x 25mm SHCS (2)
CVE-INT	Internal Extension Rod (8"/200mm) including a hex key for CVe Monitor set screw removal.
CVE-EXT	External Mounting Block including #8-32 x 1" SHCS (2) and M4 x 25mm SHCS (2)



#### Standard Tunnel Gate Inserts Version S1 - With Machining Allowance

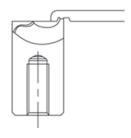
- With machining allowance on upper surface
- Available in round (TGR) and square versions (TGS)
- Available in 2 degrees of hardness (40 HRC/ 60 HRC)
- Highly wear-resistant hot worked steel M2 (1.3343)





#### Standard Tunnel Gate Inserts Version S2 - With Vestige

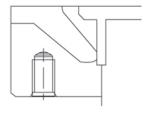
- For flat parting surfaces, including vestige with integrated cutting edge
- Available in round (TGR) and square (TGS) versions
- Available in 2 degrees of hardness (40HRC/ 60 HRC)
- Highly wear-resistant hot worked steel M2 (1.3343)





#### Straight Standard Sub-Gate Inserts Version TPS - For Side Gating

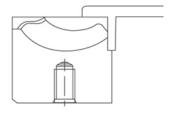
- Straight standard sub-gate for side gating
- Integrated dead-end recess reduces loss of pressure and shear stress
- Highly wear resistant hot working steel M2 (1.3343)
  54+2 HRC





#### Contourable Tunnel Gate Inserts Version SGC - For Side Gating

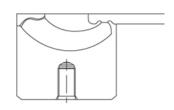
- Curved tunnel permits gating deep inside the part
- Integrated dead-end recess reduces loss of pressure and shear stress.
- Highly wear-resistant hot worked steel M2 (1.3343) -54+2HRC





### Contourable Tunnel Gate Inserts Version TGC - With Machining Allowance

- With machining allowance on upper surface
- Available in round (TGR) and square versions (TGS)
- Available in 2 degrees of hardness (40 HRC/ 60 HRC)
- Highly wear-resistant hot worked steel M2 (1.3343)



Smartflow® Mould Protective Limit Switches are designed and built by engineers with expert mould-building experience. Thinswitch®, SmartLock® and VersaswitchTM are the benchmark switches in the injection moulding industry. Moulders rely on them to provide dependable position indication and protection for valuable injection moulds.



#### Thinswitch® Global Limit Switch

Liquid-Resistant Limit Switch - 3mm/4mm Height

Smartflow\* Global Thinswitch\* Limit Switch helps prevent accidental mould close in injection moulds by verifying ejector plate return in injection moulds with 3mm or 4mm rest buttons, and where occasional water or oil spray is present. A polyurethane dome covers the actuator spring, protecting internal gold switch contacts from environmental contamination.

- Adjustable actuation between 3.2mm and 4mm from the switch base (excludes spacer)
- Over 14 million cycle life
- 176F (80C) standard temperature rating

Product Code
TW-222-LR

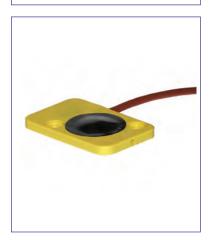


#### Thinswitch® Limit Switch

Verify ejector plate return before closing the mould. Mount inside ejector housing and wire to machine controls. Use for core slides or any place where space is limited.

- Prevents costly mould damage
- Small size 2.15" L x 1.5" W x 0.18" thick
- Fits behind ejector plate
- 10 million cycle mechanical life
- Adjustable operating point
- Electrical capacity at 250V AC 5 Amps Resistive, 4 Amps Inductive
- Optional high temperature model





#### Thinswitch® Liquid Resistant Limit Switch

Designed to verify ejector plate return in areas where occasional water or oil spray is present. The Thinswitch helps prevent accidental mould close in injection moulding applications by providing a position switch that is tied to the injection moulding machine control. The liquid resistant switch uses the same mounting hole locations as the original Thinswitch.

- Over 10 million cycle life
- 175F (79.4C) standard temperature rating
- 250F (121C) high temperature unit for higher temperature needs
- · Mounting screws and wire clips included

Product Code	
HT-291-LR	



#### Smartlock® Core Slide Retainer and Limit Switch

The slide retainer and limit switch is designed for injection moulders to provide switching plus slide retaining in one unique package. The SMARTLOCK\* locking function prevents premature slide movement during moulded part ejection while the SPDT switch is simultaneously actuated.

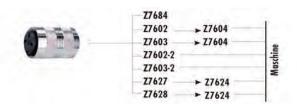
- New capture screw prevents plunger loss.
- Over 10 million cycle life provides long dependable service.
- 27 pounds holding force: adjustable for optimum operation.
- Stripped and tinned 6 ft. wire leads make the switch ready to install without modification.

Product Code
SL-222



#### Z7600 Limit switch, vertical with plug, up to 120°C

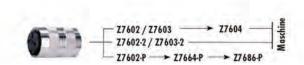
- Splash-proof to IP 66.
- Adjustment via Z7684 test light





#### Z7600-4 Limit switch LED, inductive with plug, up to 100°C

- Splash-proof to IP 66.
- Work-switching gap 2 mm.





#### Z7615 Limit switch, internal, with cable, up to 90°C

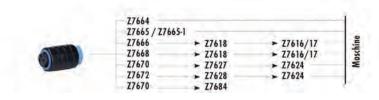
- Splash-proof to IP 66.
- Adjustment via Z7684 test light and adapter Z7601-1.





#### Z7662 Limit switch, vertical with plug, up to 90°C

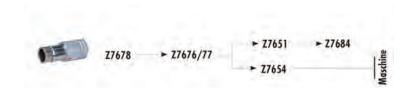
- Splash-proof to IP 66.
- Adjustment via Z7684 test light.





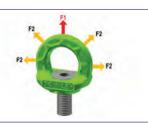
## Z7675 Limit switch, internal, up to 200°C

- Splash-proof to IP 44.
- Adjustment via Z7684 test light and adapter Z7651.





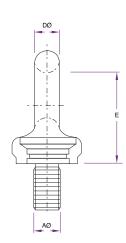


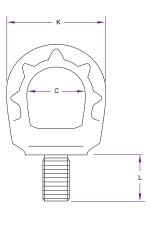


- Forged from high tensile alloy steel, tempered
- Electromagnetic crack detection to AS1171
- Hi-visibility powder coating to AS4506
- F2 WLL indicates safe use for non-axial lifts.
- Each eyebolt is clearly stamped with the permitted F2 WLL.
- F1 WLL indicates loads which are in line with the axis of the threaded end of the eyebolt.
- F1 WLL allows up to four (4) times higher lifting capacity whilst maintaining a 6:1 design factor of safety
- More sizes available on request









METRIC											
Product Code	AØ	SF 5:1 WLL F1 t	SF 4:1 WLL F2 t	С	D	E	К	L	Torque (Nm)	Net Weight (kg)	
EYE10-G10	M10	1t	0.4t	30	11	43	55	15	14	0.23	
EYE12-G10	M12	2t	0.75t	30	11	43	55	18	22	0.23	
EYE16-G10	M16	4t	1.5t	34	14	49	64	24	60	0.38	
EYE20-G10	M20	6t	2.3t	39	16	56	69	30	105	0.60	
EYE24-G10	M24	8t	3.2t	50	19	71	86	36	182	1.10	

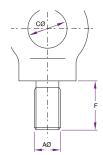


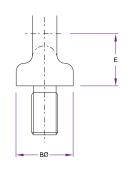
# Manufactured using only heat certified Australian Steel WLL (Working Load Limit)

- Each eyebolt is clearly stamped with the permitted F2 WLL.
- F2 WLL indicates safe use for non-axial lifts.
- F1 WLL indicates loads which are in line with the axis of the threaded end of the eyebolt.
- F1 WLL allows up to four (4) times higher lifting capacity whilst maintaining a 6:1 design factor of safety











METRIC										
Product Code	AØ	WLL F1	WLL F2 t	BØ	CØ	DØ	E	F	Net Weight (kg	
EYE10	M10	0.25t	0.06t	21	14	9	19	17	0.06	
EYE12	M12	0.4t	0.1t	28	18	11	24	21	0.15	
EYE16	M16	0.8t	0.2t	35	23	14	31	27	0.28	
EYE20	M20	1.6t	0.4t	42	30	16	35	38	0.46	
EYE24	M24	2.5t	0.62t	57	38	22	48	42	1.10	
EYE30	M30	4t	1t	71	49	27	65	52	2.10	
EYE36	M36	6.3t	1.57t	87	53	35	73	64	3.70	
EYE42	M42	8t	2t	102	66	40	90	76	6.30	

IMPERIAL										
Product Code	AØ	WLL F1	WLL F2 t	ВØ	СØ	DØ	E	F	Net Weight (kg	
EYEI24	3/8"	0.25	0.06	21	14	9	19	17	0.06	
EYEl32	1/2"	0.4	0.1	28	18	11	24	21	0.15	
EYEI40	5/8"	0.8	0.2	35	23	14	31	27	0.28	
EYEI48	3/4"	1.6	0.4	42	30	16	35	38	0.46	
EYEI56	7/8"	2	0.5	50	32	20	41	41	0.85	
EYEI64	1"	2.5	0.62	57	38	22	48	42	1.10	