

IT VANTAGGI

- Pressione uguale in tutti i cilindri
- Controllo della pressione = controllo della forza
- Aumento/riduzione della pressione = aumento/riduzione della forza attraverso il pannello di controllo anche durante lo stampaggio senza intervento diretto sui cilindri
- Utilizzo di polmoni di compensazione per un ridotto incremento della pressione a fine compressione
- Gestione di impianti e forze diverse nello stesso stampo (uso multipannello MCPC+AUMCP)
- Stop di sicurezza con uso pressostato
- Utilizzo tappo di sicurezza con disco di rottura CE
- Flessibilità di collegamento con tubi e raccordi EO - 24°, JIC 37°, Minimes, Micro 32°, ORFS



I cilindri collegabili a sistema (codice modello + N/NA) sono forniti privi di valvola unidirezionale e con corpo/fondello speciale dove previsto. Per le serie S/SC/H/KE/RV/RS/RF/RG/RT/LS è possibile trasformare i cilindri autonomi in cilindri collegabili a sistema semplicemente rimuovendo i dispositivi di tenuta dal foro di caricamento. Scaricare completamente la pressione prima di questa operazione. Qualora si rendesse necessario rimuovere uno qualsiasi dei componenti installati, scaricare completamente la pressione attraverso il pannello.

EN BENEFITS

- Same pressure in all cylinders
- Pressure control = force control
- Increase/decrease of pressure = increase/decrease of force by control panel even during stamping operation without direct acting to the cylinders
- Lower pressure increase by using compensation tank
- Possibility to manage different systems and forces in the same tool by using the multipanel MCPC+AUMCP
- Safe stop function through pressure switch
- Use of the safety plug with rupture disc CE
- Flexible linking by using hose and connection EO - 24°, JIC 37°, Minimes, Micro 32°, ORFS and couplings and many useful accessories



The hoses system cylinders (model code + N/NA) are supplied without charging valve and with special body/end plate when specified. However S/SC/H/KE/RV/RS/RF/RG/RT/LS series can be converted from self-contained to hoses system by simply removing the charging valve. Be sure that all pressure is exhausted before starting this operation. In case it's necessary to remove any of the installed components, pressure must be fully exhausted through the control panel.

DE VORTEILE

- Identischer Druck in allen Zylindern
- Druckkontrolle = Kraftkontrolle
- Steigerung/Minderung des Drucks = Erhöhung/Verringerung der Kraft über die Steuerung, auch während der Formung ohne direkten Eingriff an den Zylindern
- Einsatz von Ausgleichbehältern zur Reduzierung von Druckerhöhungen
- Verwaltung verschiedenartiger Anlagen und Leistungen in demselben Werkzeug über die Multisteuerung MCPC+AUMCP
- Sicherheitsstopp per Druckwächter
- Verwendung eines Sicherheitsverschlusses mit Berstscheibe (CE-Kennzeichnung)
- Flexibilität bei der Verbindung mit Rohren und Anschlüssen EO - 24°, JIC 37°, Minimes, Micro 32°, ORFS



Zylinder im verbund (Modellcode + N/NA) werden ohne Einwegventile und, sofern vorgesehen, mit speziellem Gehäuse/Boden geliefert. Für die Serien S/SC/H/KE/RV/RS/RF/RG/RT/LS können die autonomen arbeitenden Zylinder in Zylinder im verbund abgeändert werden, indem die Dichtungsvorrichtungen an der Luftzufuhröffnung entfernt werden. Lassen Sie die Druckluft vor diesem Arbeitsschritt komplett ab. Falls es sich als notwendig erweisen sollte, einen der installierten Komponenten zu entfernen, muss vorher die Druckluft mittels der Steuerung vollständig abgelassen werden.

FR AVANTAGES

- La même pression dans tous les ressorts
- Contrôle de la pression = contrôle de la force
- Augmentation/réduction de la pression = augmentation/réduction de la force par l'intermédiaire du panneau de contrôle, même durant le moulage, sans aucune intervention directe sur les ressorts
- Utilisation de réservoirs de compensation produisant une petite augmentation de la pression à la fin de la compression

- Gestion d'installations et de forces différentes sur le même outil (utilisation multi-panneaux MCPC+AUMCP)
- Arrêt de sécurité à l'aide d'un pressostat
- Utilisation d'un bouchon de sécurité avec disque de rupture CE
- Souplesse du raccordement à l'aide de tubes et de raccords EO - 24°, JIC 37°, Minimes, Micro 32°, ORFS



Les ressorts pouvant être reliés à un système (référence modèle + N/NA) sont livrés sans la vanne unidirectionnelle et avec corps/fond spécial si prévu. Pour les séries S/SC/H/KE/RV/RS/RF/RG/RT/LS, il est possible de transformer les ressorts autonomes en cylindres pouvant être reliés à un système en ôtant simplement les dispositifs d'étanchéité du trou de chargement. Décharger complètement la pression avant d'effectuer cette opération. S'il est nécessaire de démonter un des composants installés, décharger complètement la pression par l'intermédiaire du panneau de contrôle.

ES VENTAJAS

- La misma presión en todos los cilindros
- Control de la presión = control de la fuerza
- Aumento/reducción de la presión = aumento/reducción de la fuerza mediante el panel de control incluso en operaciones de estampación sin actuación directa sobre los cilindros
- Pueden emplearse pulmones de compensación para reducir el aumento de la presión al final de la compresión

- Gestión de equipos y fuerzas distintas sobre el mismo molde (uso multipanel MCPC+AUMCP)
- Parada de emergencia con presostat
- Tapón de seguridad con disco de ruptura CE
- Flexibilidad de conexión con tubos y acoplamientos EO - 24°, JIC 37°, Minimes, Micro 32°, ORFS



Los cilindros para su conexión en sistema (código modelo + N/NA) se sirven sin válvula unidireccional y con cuerpo/base especiales en los casos en que se requieran. En las series S/SC/H/KE/RV/RS/RF/RG/RT/LS, los cilindros autónomos pueden transformarse en cilindros para su conexión en sistema simplemente quitando los dispositivos de estanqueidad del orificio de carga. Antes de realizar esta operación, vaciar completamente la presión. Si fuera necesario quitar alguno de los componentes instalados, vaciar completamente la presión mediante el panel de control.

PT VANTAGENS

- Pressão igual em todos os cilindros
- Controlo da pressão = controlo da força
- Aumento/redução da pressão = aumento/redução da força através do painel de controlo também durante a estampagem sem intervenção directa sobre os cilindros
- Utilização dos tanques de compensação para redução do aumento da pressão no final da compressão

- Gestão de instalações e de várias forças na mesma Ferramenta (uso do multi-painel MCPC+AUMCP)
- Stop de segurança com utilização do pressostat
- Utilização de Bujão de segurança com disco de rotura CE
- Flexibilidade de ligação com tubos e ligações EO - 24°, JIC 37°, Minimes, Micro 32°, ORFS



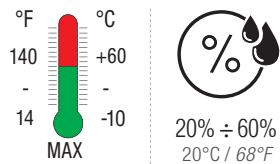
Os cilindros ligáveis em sistema (código do modelo + N/NA) são fornecidos sem válvula unidireccional e com corpo/extremidade especial. Para a série S/SC/H/KE/RV/RS/RF/RG/RT/LS, é possível transformar os cilindros autónomos em cilindros ligáveis em sistema, bastando remover os dispositivos de retenção do orificio de carga. Descarregar completamente a pressão antes desta operação. No caso de ser necessário remover um dos componentes instalados, descarregar completamente a pressão através do painel de controlo.



LINKED SYSTEM OPERATING INSTRUCTION



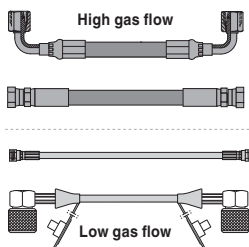
- IT** Conservare tubi e raccordi lontano da fonti di calore e luce solare diretta (raggi UV).
- EN** Store hoses and fittings away from heat sources and direct sunlight (UV radiation).
- DE** Lagern Sie Schläuche und Anschlussstücke fern von Wärmequellen und direktem Sonnenlicht (UV-Strahlung).
- FR** Conserver tuyaux et raccords à l'écart de toute source de chaleur et de la lumière directe du soleil.
- ES** Almacene mangueras y conexiones lejos del calor y de la luz solar directa (rayos UV).
- PT** Manter mangueiras e conexões longe do calor e da luz do sol.



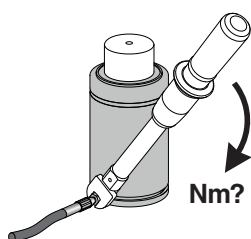
- IT** Conservare tubi e raccordi protetti da alte temperature e dal contatto con oli di stampaggio, solventi, acidi e fluidi aggressivi in genere (ad es. soda e cloruri).
- EN** Keep hoses and fittings protected against high temperatures and contact with oils, solvents, acids and aggressive fluids in general (e.g. soda and chlorides).
- DE** Halten Sie Schläuche und Anschlussstücke geschützt vor hohen Temperaturen und dem Kontakt mit Schmierstoffen für die Metallbearbeitung, Lösungsmitteln, Säuren und aggressiven Flüssigkeiten im Allgemeinen (z. B. Soda und Chloride).
- FR** Protégez les tuyaux et les raccords contre les températures élevées et le contact avec les huiles, les solvants, les acides et les fluides agressifs en général (par exemple, la soude et les chlorures).
- ES** Almacene mangueras y conexiones protegidos de altas temperaturas y del contacto con aceites de moldeo, solventes, ácidos y fluidos agresivos en general (por ejemplo, soda y cloruros).
- PT** Manter tubos e conexões longe de altas temperaturas e de contato com oleos, solventes, acidos ou qualquer outro elemento agressivo aos materiais (ex. solda, cloro, etc..).



- IT** Nella produzione del tubo rispettare le istruzioni operative indicate nel manuale d'uso della pressa pneumatica 39PR06.
- EN** When producing the hoses, follow the instructions given in the user manual of the hydraulic press 39PR06.
- DE** Bei der Herstellung des Schlauchs die Angaben in der Betriebsanleitung der pneumo-hydraulischen Schlauchpresse 39PR06 beachten.
- FR** Lors de la fabrication des tuyaux, suivez les instructions données dans le manuel d'utilisation de la presse hydraulique 39PR06.
- ES** Para la producción de las mangueras, siga las instrucciones de funcionamiento indicadas en el manual del usuario de la prensa neumohidráulica 39PR06.
- PT** Para cravamento das mangueiras, respeitar as orientações do manual de instruções da prensa pneumática 39PR06.

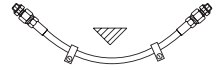
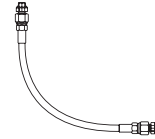
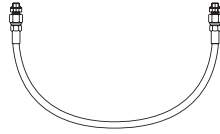


- IT** Selezionare tubi e raccordi idonei per l'applicazione.
- EN** Select hoses and fittings suitable for the system.
- DE** Für die Anwendung geeignete Schläuche und Anschlussstücke auswählen.
- FR** Sélectionnez les tuyaux et les raccords adaptés au système.
- ES** Seleccione mangueras y conexiones adecuados para la necesidad.
- PT** Selecionar os tubos e conexões de acordo com a necessidade.

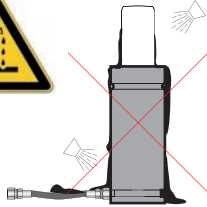
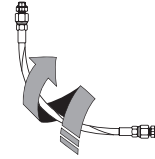


- IT** Rispettare la corretta coppia di serraggio dei raccordi indicata a catalogo per ogni modello.
- EN** Respect the correct tightening torque of the fittings as specified in the catalogue for each model.
- DE** Das richtige Anziehdrehmoment der Anschlüsse, wie im Katalog für jedes Modell angegeben, beachten.
- FR** Respectez le couple de serrage correct des raccords comme indiqué dans le catalogue pour chaque modèle.
- ES** Respete el par de apriete de las conexiones indicado en el catálogo para cada modelo.
- PT** Respeitar o torque correto para cada conexão indicado no catalogo para cada modelo.

RIGHT



WRONG



IT Evitare il contatto con solventi, acidi e fluidi aggressivi in genere (soda, cloruri) durante l'uso.

EN Avoid contact with solvents, acids and aggressive fluids in general (e.g. soda and chlorides) during use.

DE Bei Verwendung den Kontakt mit Lösungsmitteln, Säuren und aggressiven Flüssigkeiten im Allgemeinen (Soda, Chloride) vermeiden.

FR Évitez le contact avec les solvants, les acides et les fluides agressifs en général (par exemple, la soude et les chlorures) pendant l'utilisation.

ES Evite el contacto con solventes, ácidos y fluidos agresivos en general (por ejemplo, soda y cloruros) durante el uso.

PT Evitar que tubos e conexões mantenham contato com oleos, solventes, acidos ou qualquer outro elemento agressivo aos materiais (ex. solda, cloro, etc..).

IT Verificare ad ogni manutenzione dello stampo lo stato dei tubi e in particolare:

- Assenza di deterioramento dei tubi dovuto a sfregamenti, corrosione, tagli o schiacciamenti.
- Posizione dei tubi come da progetto. - Corretto serraggio dei raccordi.

EN Check at each maintenance of the die the condition of the hoses and specifically:

- absence of hose deterioration due to rubbing, wear, cutting or crushing.
- positioning of the hoses corresponding to the project's specifications. - Correct tightening of the fittings.

DE Bei jeder Wartung des Werkzeugs den Zustand der Schläuche prüfen und insbesondere:

- keine Beschädigung der Schläuche durch Reibung, Korrosion, Schneiden, Quetschen.
- die Position der Schläuche entsprechend der Konstruktion. - Das richtige Anziehen der Anschlüsse.

FR Vérifiez à chaque entretien du moule l'état des tuyaux et plus précisément:

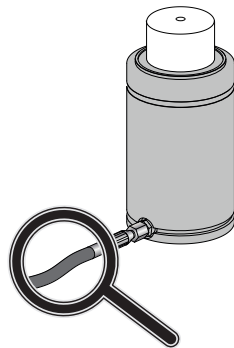
- absence de détérioration des tuyaux par frottement, usure, coupure ou écrasement.
- positionnement des tuyaux conforme aux spécifications du projet. - Serrage correct des raccords.

ES Compruebe el estado de las mangueras en cada mantenimiento del troquel, en particular:

- Ausencia de deterioro de las mangueras debido a roces, corrosión, cortes o aplastamientos.
- Posicionamiento de las mangueras según el proyecto. - Correcto apriete de las conexiones.

PT Verificar a cada manutenção do ferramental as condições das mangueiras e especificamente:

- Se as mangueiras não possuem nenhum dano, desgaste, corte ou fissura.
- Se as conexões estão nas mesmas posições indicadas no projeto. - Aperto correto das conexões.



**LIFE
WARRANTY**

IT Se correttamente installati, utilizzati e non esposti a fattori di rischio, la durata in funzionamento di tubi e raccordi è attesa almeno pari a quella dei cilindri.

EN If correctly installed and used, without being exposed to risk factors, the expected lifetime of hoses and fittings is at least equal to the one of gas springs.

DE Bei sachgemäßem Einbau bzw. Anwendung und ohne Einwirken von Risikofaktoren wird erwartet, dass die Lebensdauer der Schläuche und Anschlüsse mindestens so lang ist wie die der Gasdruckfedern.

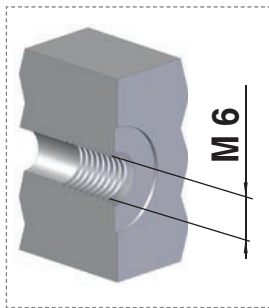
FR S'ils sont correctement installés et utilisés, sans être exposé à des facteurs de risque, la durée de vie attendue des tuyaux et des raccords est au moins égale à celle des ressorts à gaz.

ES Si correctamente instalados, utilizados y no expuestos a factores de riesgo, la vida útil esperada de mangueras y conexiones es al menos igual a la de los cilindros.

PT Se corretamente instalados e utilizados, a vida util das mangueiras e conexões são no minimo a mesma vida util dos cilindros.



LINKED SYSTEM SELECTION



M 6

MINIMESS - CONNECTIONS S12,65x1,5

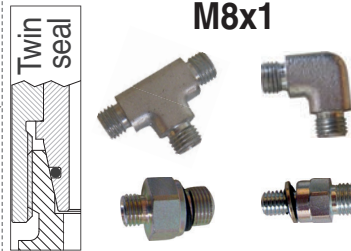


TM



Low gas flow

MICRO - CONNECTIONS M8x1



Twin seal

TSM



Low gas flow

JIC 37° - CONNECTIONS 7/16"-20 UNF



TNC



High gas flow

ORFS - CONNECTIONS 9/16"-18 UNF

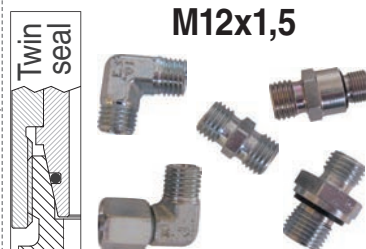


HY 400



High gas flow

EO - 24° - CONNECTIONS M12x1,5

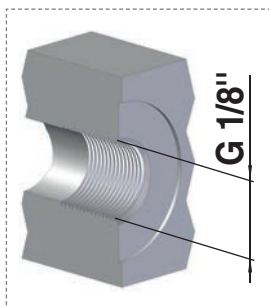


Twin seal

HY 500



High gas flow



G 1/8"

IT

- Pressa trasportabile con pompa pneumatica
- Idonea per raccordi dritti, 45° e 90°

EN

- Transportable press with hydraulic manual pump
- Suitable for straight, 45° and 90° fittings

DE

- Transportable Presse mit manueller Hydraulikpumpe
- Geeignet für gerade, 45° und 90° Anschlüsse

FR

- Presse transportable avec pompe oléodynamique manuelle
- Utilisable avec raccords droits, 45° et 90°

ES

- Prensa transportable con bomba oleodinámica manual
- Puede ser utilizada con tuberías derechas, 45° y 90°

PT

- Prensa transportável com bomba hidráulica manual
- Pode ser usado com tubos retos, 45° e 90°

code 39PR06



code 58UT022A (included)



IT Utensile rimuovi morsetti con calamita

EN Magnet tool to remove pressing jaws

DE Magnetwerkzeug für die Entfernung von Pressbacken

FR Outil magnétique pour enlever les mâchoires de pressage

ES Herramienta magnética para la remoción de las mordazas de prensado

PT Ferramenta magnética para remover os mordentes de prensar

code 58UT001A (optional)



IT Forbice taglia tubo

EN Scissor for hose

DE Schlauchschneideschere

FR Ciseaux coupe-tube

ES Tijeras cortatubos

PT Tesouras corta tubos

code 58UT023A (optional)



IT Lampada led con magnete

EN LED Light with magnet

DE LED-Lampe mit Magnet

FR Lampe à LED magnétique

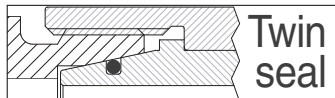
ES Lámpara LED con imán

PT Lâmpada LED com íman

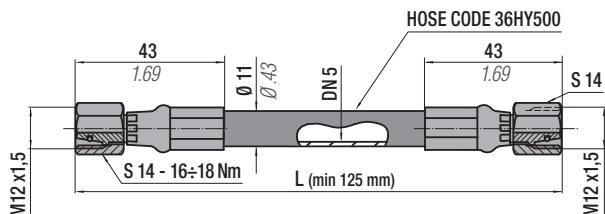
AIR	7 bar 110 psi	100 TON 110 US TON	380 x 430 x 400 mm 15 x 17 x 16 inch	38 kg 84 lb
				-5 ÷ 40 °C 23 ÷ 104 °F

CONNECTIONS	ORFS "TSM" HOSE Ø 5,5 p. 284	Micro 32° - JIC 37° "TSM" HOSE Ø 5,5 p. 272 - 279	Minimess "TM" HOSE Ø 5,1 p. 274	JIC 37° "TNC" HOSE Ø 8,1 p. 272	EO 24° "HY 500" HOSE Ø 11 p. 268	ORFS "HY 400" HOSE Ø 12,7 p. 282
PRESSING JAWS	code 39MTR10 (optional) 	code 39MTR11 (optional) 	code 39MTR12 (optional) 	code 39MTR13 (optional) 		

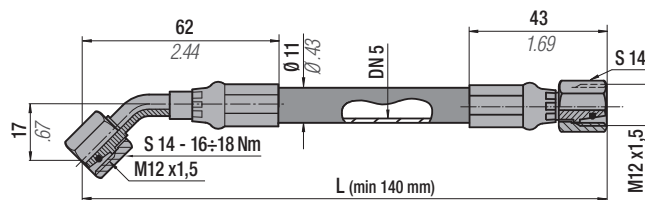
Ordering example: **39PR06A + 39MTR11** | Pressing jaws for Jic 37° "TNC" HOSE Ø 8,1



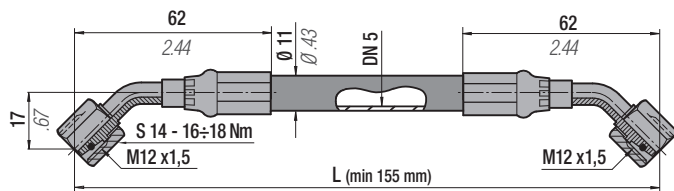
code 36HY50001...



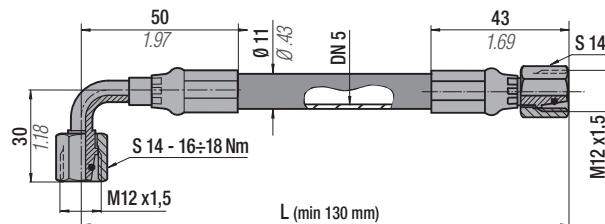
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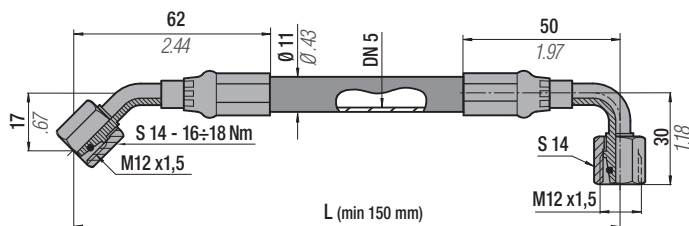
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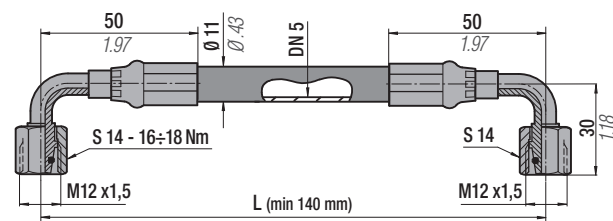
code 36HY50004...



code 36HY50005...



code 36HY50006...



Technical data

"L" min	See each type	-	Volume	18 ml/metre
Operation pressure	345 bar	5003 psi	Dimension	3/16" (external Ø 11 mm)
Burst Pressure	1380 bar at 20°C	20010 psi at 68°F	Material	Thermoplastic
R (bending radius)	40 mm	1.57 in	Standard	SAE 100R8
Operation temperature	-40+ 100°C	-38+212°F	Outer casing	Perforated

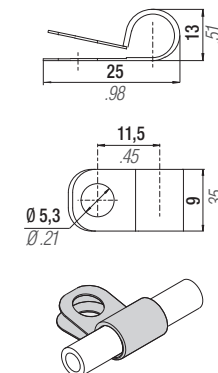


Lunghezza richiesta comprensiva di raccordi terminali
Length upon request including end hose fittings
Länge Anfrage einschließlich Ende Schlaucharmaturen

Longueur requise, y compris des raccords d'extrémité
Longitud requerida, incluyendo accesorios de los extremos
Comprimento necessário incluindo todos os acessórios

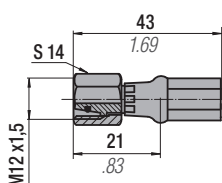
L = 5 mm upward increase - Example (36HY50001 0300; 36HY50001 0305; ...)

code: 36FF11A

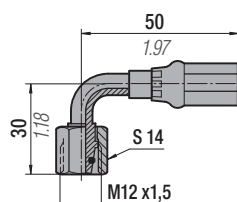


HOSE FITTINGS

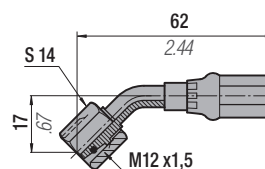
code 36P2401



code 36P2402



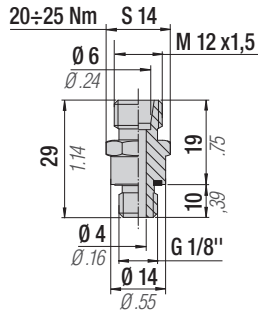
code 36P2403



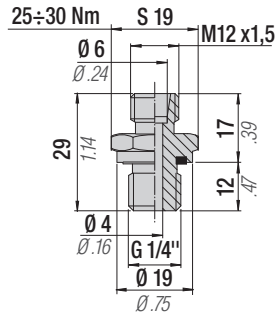
All dimensions in mm/inch

Raccordi tubo-cilindro/pannello - Hose-cylinder/panel connections - Anschlüsse zwischen schlauch und Zylinder/Kontrollarmatur - Raccords tuyau-cylindre/tableau - Conexiones sistema de cilindros/panel - Racord tubo-cilindro/painel

code 36R2401

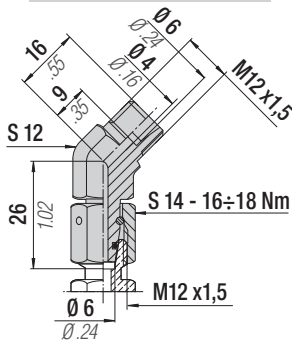


code 36R2402

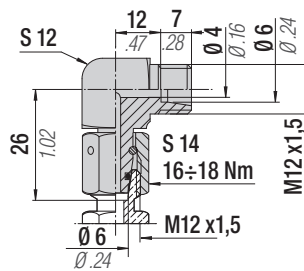


Raccordi di derivazione - Offtake connections - Anschlußstutzen - Raccords de dérivation - Racores - Racord de derivação

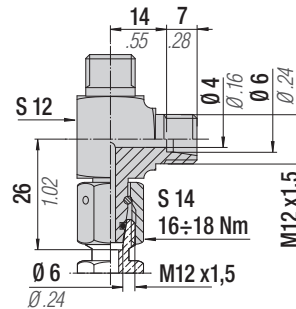
code 36R2403



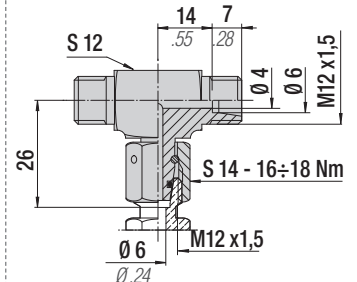
code 36R2404



code 36R2405

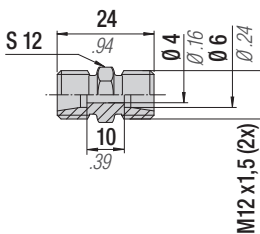


code 36R2406

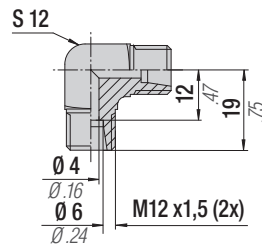


Raccordi tubo-tubo - Hose-hose connections - Anschlüsse zwischen Schlauch und Schlauch - Raccords tuyau-tuyau - Conexiones de tubo a tubo - Racord tubo-tubo

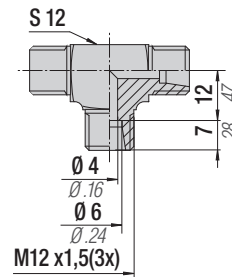
code 36R2407



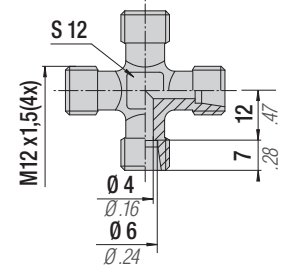
code 36R2408

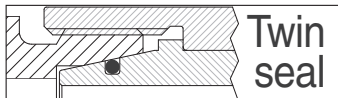


code 36R2409



code 36R2410

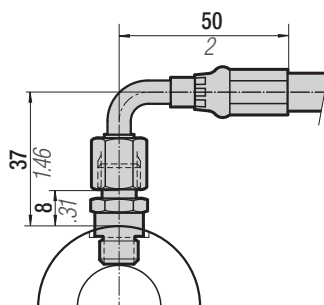
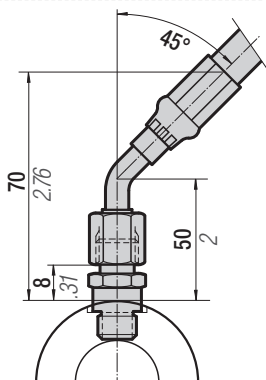
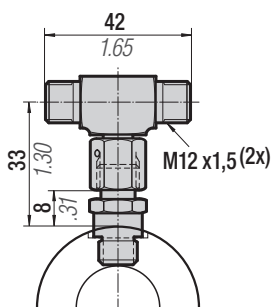
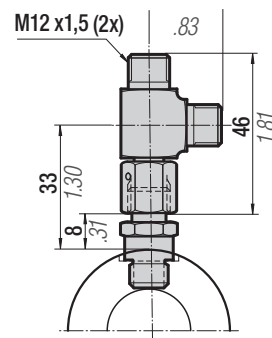
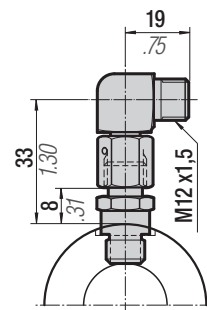
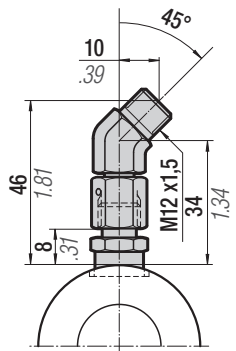
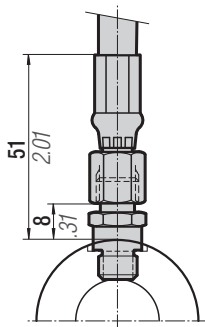




Twin seal



Esempi di installazione - Installation examples - Einbaubeispiele - Exemples de montage - Ejemplos de instalación - Exemplos de instalação

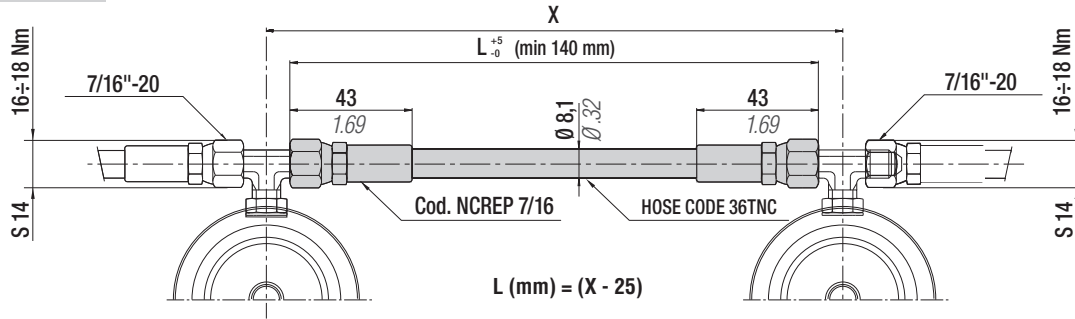




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code TNC 7/16...



Technical data				
"L" min	See above	5.51 in	Volume	12,6 ml/metre
Operation pressure	420 bar	6090 psi	Dimension	1/8" (external ø 8,1 mm)
Burst Pressure	1680 bar at 20°C	24360 psi at 68°F	Material	Thermoplastic
R (bending radius)	25 mm	0.98 in	Standard	SAE 100R8
Operation temperature	-40+ 100°C	-38 +212°F	Outer casing	Perforated

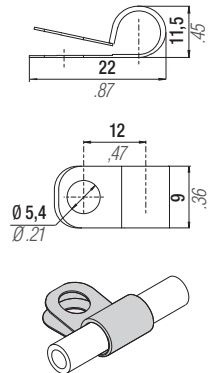


Lunghezza standard (mm) inclusive di n. 2 raccordi NCREP 7/16
Standard lengths (mm) inclusive of no. 2 connections NCREP 7/16
Standard-Länge (mm) einsch. 2 NCREP 7/16 -Anschlüssen

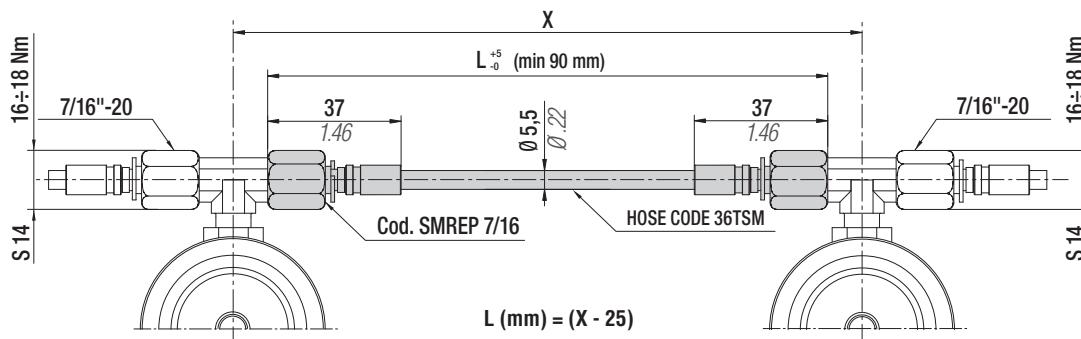
Longueur standard (mm) comprenant 2 raccords NCREP 7/16
Longitud estándar (mm) con 2 racores incluidos NCREP 7/16
Comprimento standard (mm) incluído nas 2 ligações NCREP 7/16

L = 5 mm upword increase - Example (TNC 7/16 140 mm; TNC 7/16 145 mm ...)

code: 36FF09A



code TSM7/16...



Technical data				
"L" min	See above	3.54 in	Volume	3 ml/metre
Operation pressure	630 bar	9135 psi	Dimension	5/64" (external ø 5,5 mm)
Burst Pressure	1890 bar at 20°C	27400 psi at 68°F	Material	Thermoplastic
R (bending radius)	20 mm	0.79 in	Standard	-
Operation temperature	-40+ 100°C	-38 +212°F	Outer casing	Perforated

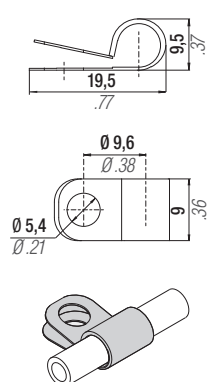


Lunghezza standard (mm) inclusive di n. 2 raccordi SMREP 7/16
Standard lengths (mm) inclusive of no. 2 connections SMREP 7/16
Standard-Länge (mm) einsch. 2 SMREP 7/16 -Anschlüssen

Longueur standard (mm) comprenant 2 raccords SMREP 7/16
Longitud estándar (mm) con 2 racores incluidos SMREP 7/16
Comprimento standard (mm) incluído nas 2 ligações SMREP 7/16

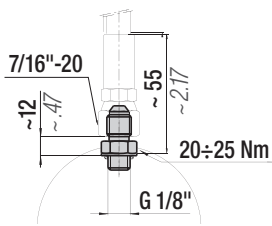
L = 10 mm upword increase - Example (TSM 7/16 90 mm; TSM 7/16 100 mm ...)

code: 36FF06A

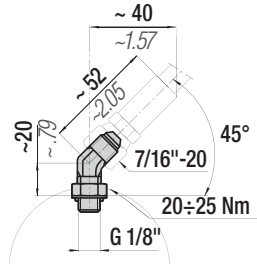


Raccordi tubo-cilindro/pannello - Hose-cylinder/panel connections - Anschlüsse zwischen schlauch und Zylinder/Kontrollarmatur -
Raccords tuyau-cylindre/tableau - Conexiones sistema de cilindros/panel - Racord tubo-cilindro/panel

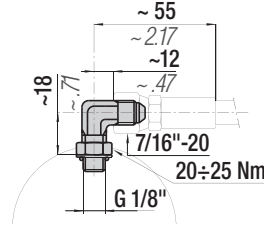
code RTC-D



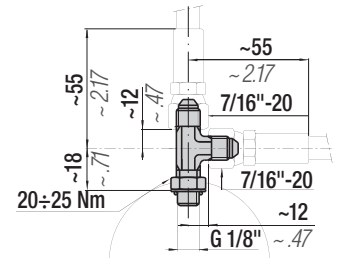
code RTC-M



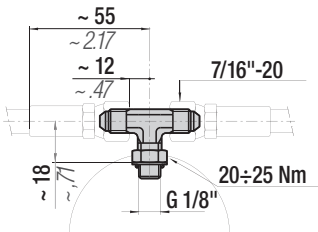
code RTC-R



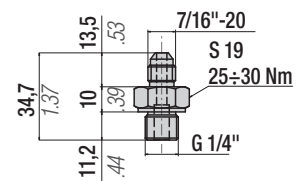
code RTC-L



code RTC-T

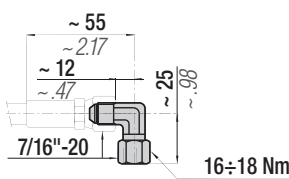


code 36J01A

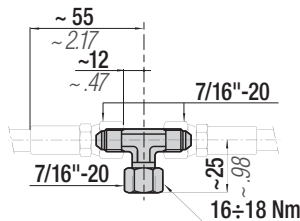


Raccordi di derivazione - Offtake connections - Anschlußstutzen - Raccords de dérivation - Racores - Racord de derivação

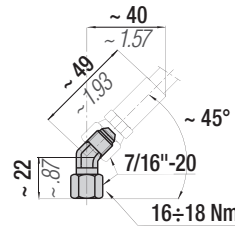
code RDR



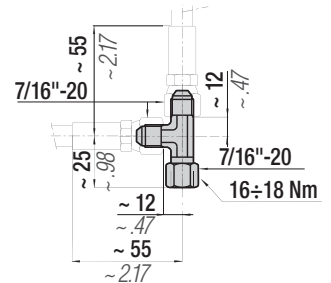
code RDT



code RDM

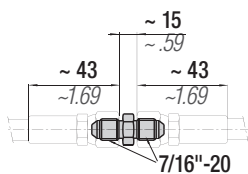


code RDL

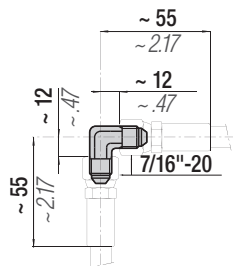


Raccordi tubo-tubo - Hose-hose connections - Anschlüsse zwischen Schlauch und Schlauch - Raccords tuyau-tuyau - Conexiones de tubo a tubo - Racord tubo-tubo

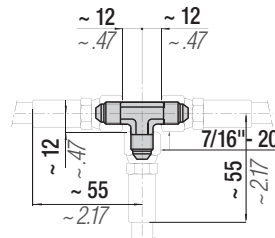
code RTT-D



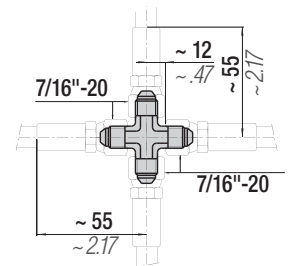
code RTT-R



code RTT-T



code RTT-C

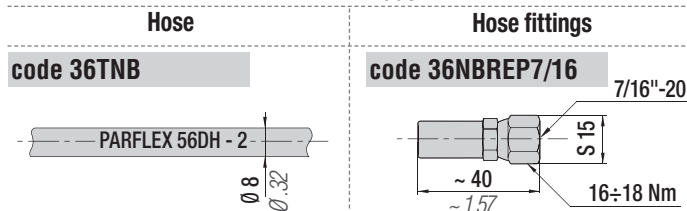


⚠ Available ONLY for loose supply

**JIC 37°
Hose Ø 8 mm**

TNB

PARKER made

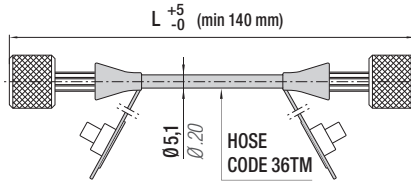


Technical data		
"L" min	140 mm	5.51 in
Operation pressure	415 bar	6017 psi
Burst Pressure	1655 bar at 20°C	24000 psi at 68°F
R (bending radius)	13 mm	0.51 in
Operation temperature	-40+ 100°C	-38+212°F

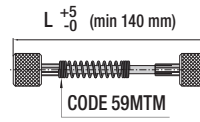
All dimensions in mm/inch



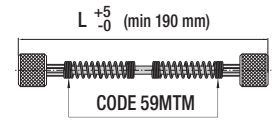
code TMD



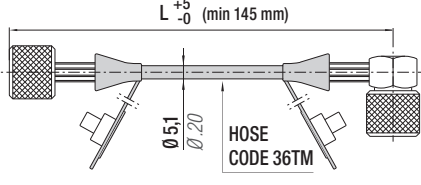
code TMD...-1



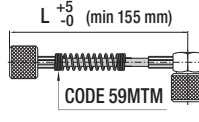
code TMD...-2



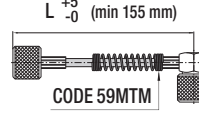
code TMDR



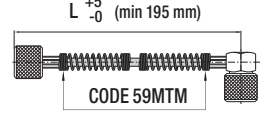
code TMDR...-1



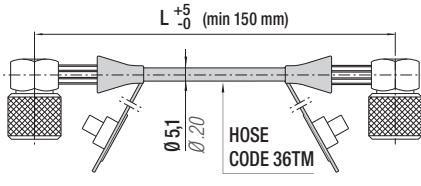
code TMDR...-3



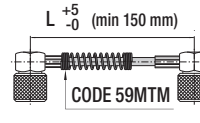
code TMDR...-2



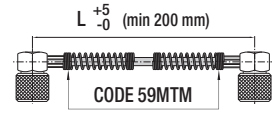
code TMR



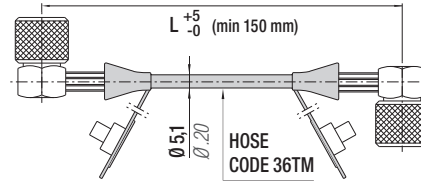
code TMR...-3



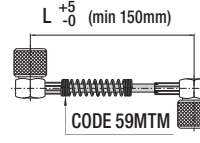
code TMR...-2



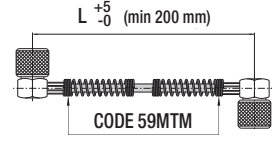
code TMR...V1



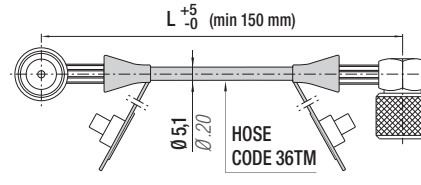
code TMR...V1-3



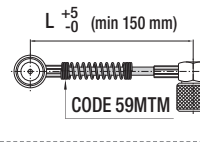
code TMR...V1-2



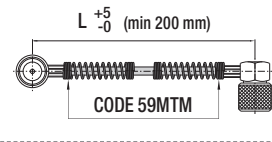
code TMR...V2



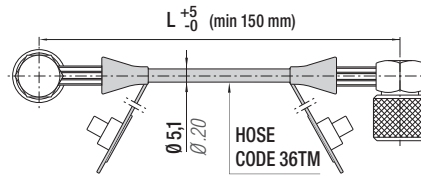
code TMR...V2-3



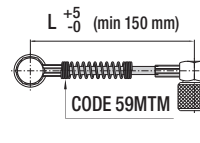
code TMR...V2-2



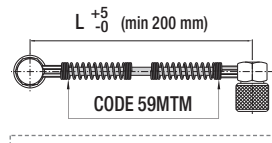
code TMR...V3



code TMR...V3-3



code TMR...V3-2



Technical data					
"L" min (TMD - TMDR)	See above	-	Operation temp.	-20 +100°C	-2+212°F
"L" min (TMR - TMR...)	See above	-	Dimension hose	5/64" (external Ø 5,1 mm)	
Operation pressure	630 bar	9135 psi	Material hose	Polyamid	
Burst Pressure	1950 bar at 20°C	28275 psi at 68°F	Standard	-	
R (bending radius)	20 mm	0.79 in	Outer casing hose	Perforated	



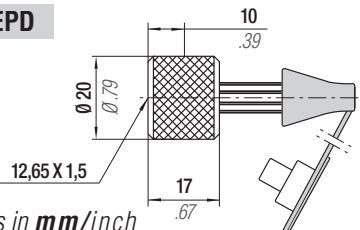
Lunghezze standard (mm) inclusive di n.2 raccordi e tappi
Standard lengths (mm) inclusive of no.2 connections and plugs
Standard-Länge (mm) einsch.2 und Stopfen Anschlüssen

Longueur standard (mm) comprenant 2 raccords et bouchons
Longitud estándar (mm) con 2 racores incluidos y tapones
Comprimento standard (mm) incluindo nas 2 ligações e tampões

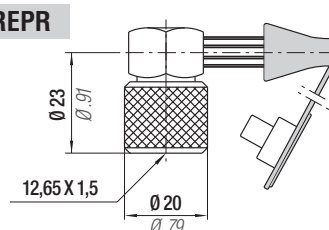
standard L = 140 mm min. - 5 mm upward increase - Example (TMD140; TMDR145; TMR150; TMR160V1; TMR170V2; ...)

HOSE FITTINGS

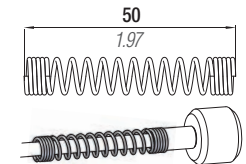
code 36MREPD



code 36MREPR

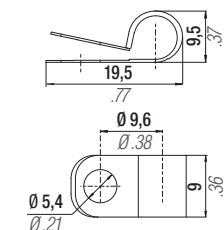


code: 59MTM



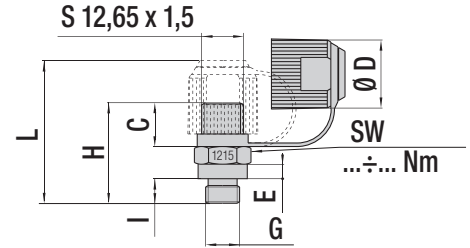
Protezione antipliega
Anti-kink protection
Knickschutzwendel
Protection anti-crochage
Protección anti-pliegue
Proteção anti-dobra

code: 36FF06A



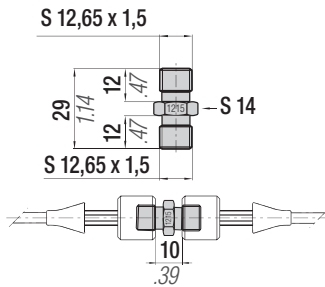
All dimensions in mm/inch

CODE	G	mm		inch		mm		inch		S - ...÷... Nm	mm		inch		Ø D	mm		inch	
RMTC ¹⁾	G 1/8"	8	0.31	30	1.18	41	1.61	S14 - 20÷25 Nm		12	0.47	19,5	0.77	4	0.16				
RMTC01 ¹⁾	G 1/4"	10	0.39	31	1.22	39	1.54	S19 - 25÷30 Nm		12	0.47	17	0.67	3	0.12				
RMTC02 ²⁾	G 1/8"	8	0.31	30	1.18	-	-	S14 - 20÷25 Nm		12	0.47	-	-	4	0.16				
RMTC03 ²⁾	G 1/4"	10	0.39	31	1.22	-	-	S19 - 25÷30 Nm		12	0.47	-	-	3	0.12				
RMPT ¹⁾	7/16-20	11	0.43	30	1.18	43	1.69	S17 - 20÷25 Nm		12	0.47	19,5	0.77	3	0.12				



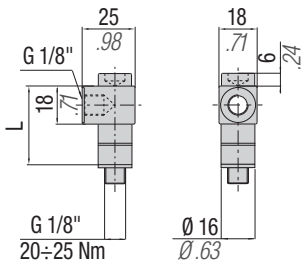
1) Con valvola unidirezionale - With one way valve - Mit Rückschlagventil - Avec valve unidirectionnelle - Con válvula unidireccional - Com válvula unidireccional
 2) Senza valvola unidirezionale - Without one way valve - Ohne Rückschlagventil - Sans valve unidirectionnelle - Sin válvula unidireccional - Sem válvula unidireccional

code RMTT



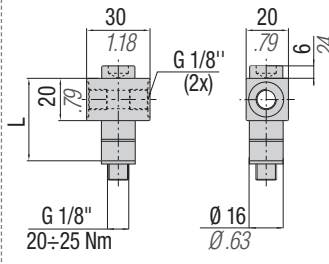
Blochetto di distribuzione - Distribution block - Gasverteilstück - Plot de distribution - Bloque de distribución - Bloco de distribuição

BDM01...



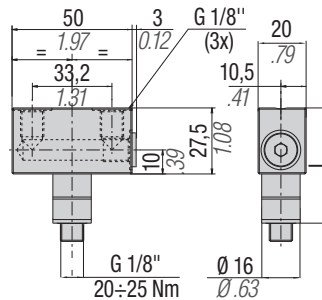
CODE	L	
	mm	inch
39BDM0102	24	0.94
39BDM01	38,5	1.52
39BDM0103	48	1.89

BDM02...



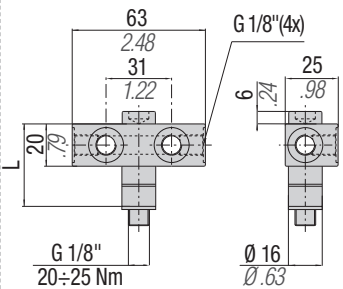
CODE	L	
	mm	inch
39BDM0202	26	1.02
39BDM02	40,5	1.59
39BDM0203	50	1.97

BDM03...



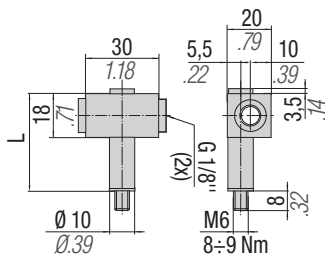
CODE	L	
	mm	inch
39BDM0302	33,5	1.32
39BDM0301	48	1.89
39BDM0303	57,5	2.26

BDM04...



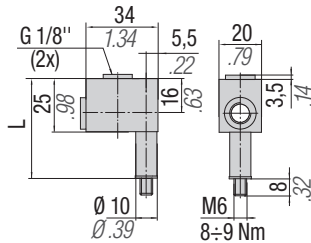
CODE	L	
	mm	inch
39BDM0402	26	1.02
39BDM04	40,5	1.59
39BDM0403	50	1.97

BDM...



CODE	L	
	mm	inch
39BDM05	26	1.020
39BDM06	42	1.65

BDM...



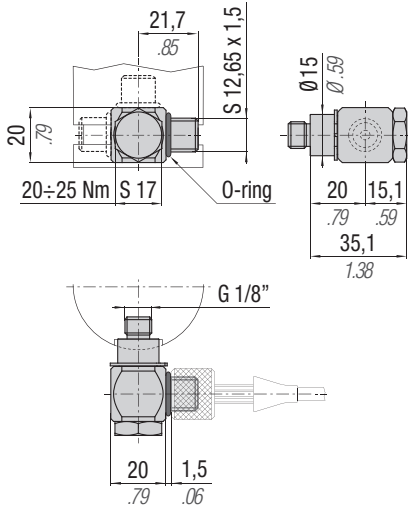
CODE	L	
	mm	inch
39BDM07	33	1.30
39BDM08	49	1.93

All dimensions in **mm/inch**

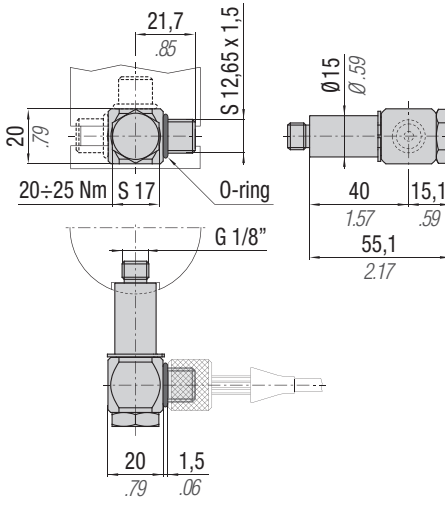


Raccordi tubo-cilindro/pannello - Hose-cylinder/panel connections - Anschlüsse zwischen schlauch und Zylinder/Kontrollarmatur -
Raccords tuyau-cylindre/tableau - Conexiones sistema de cilindros/panel - Racord tubo-cilindro/painel

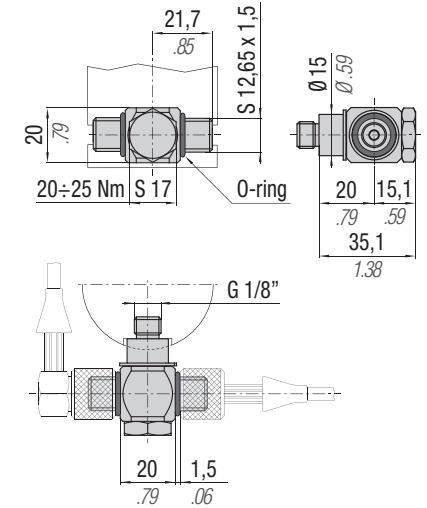
code 39BDM0901



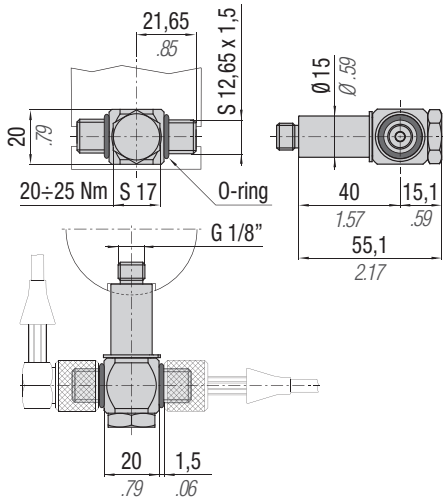
code 39BDM0902



code 39BDM1001

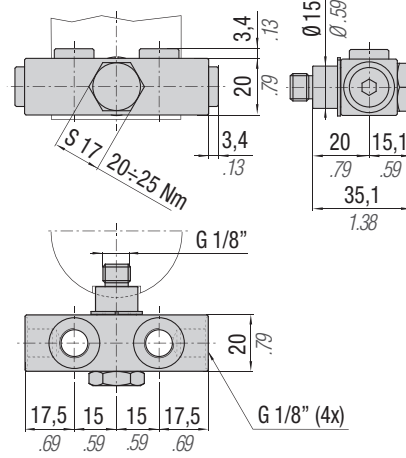


code 39BDM1002

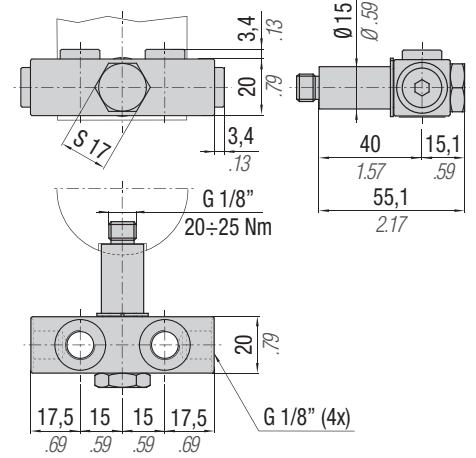


Bloccetto di distribuzione - Distribution block - Gasverteilstück - Plot de distribution - Bloque de distribución -
Bloco de distribuição

code 39BDM1101

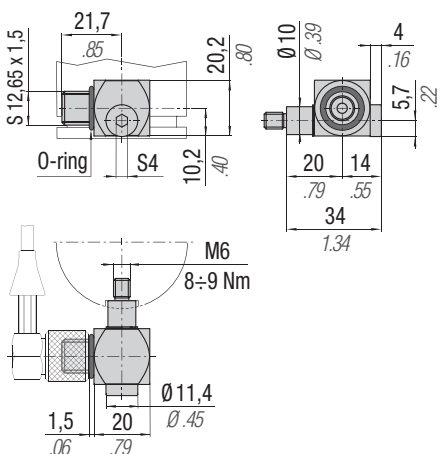


code 39BDM1102

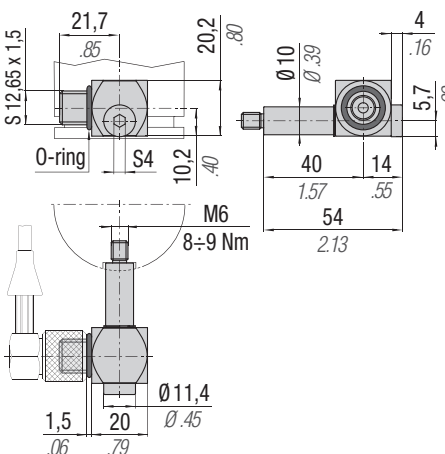


Raccordi tubo-cilindro/pannello - Hose-cylinder/panel connections - Anschlüsse zwischen schlauch und Zylinder/Kontrollarmatur -
Raccords tuyau-cylindre/tableau - Conexiones sistema de cilindros/panel - Racord tubo-cilindro/painel

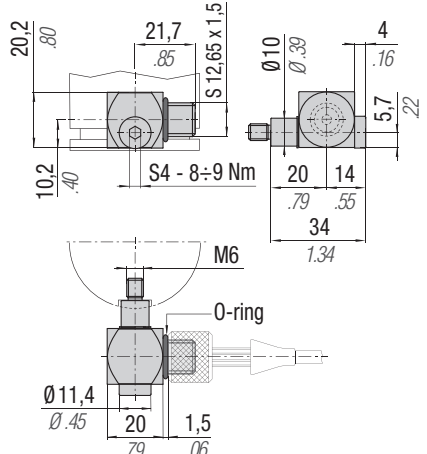
code 39BDM1201



code 39BDM1202

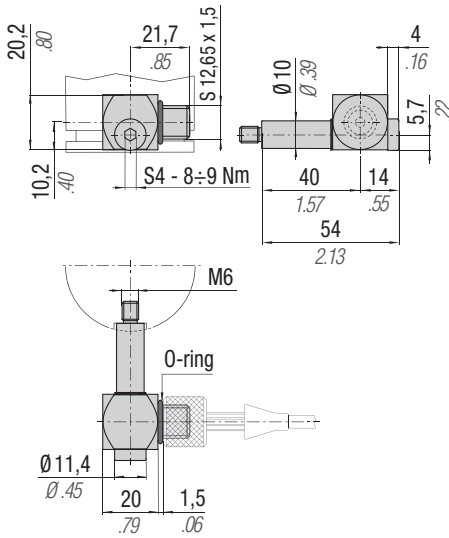


code 39BDM1301

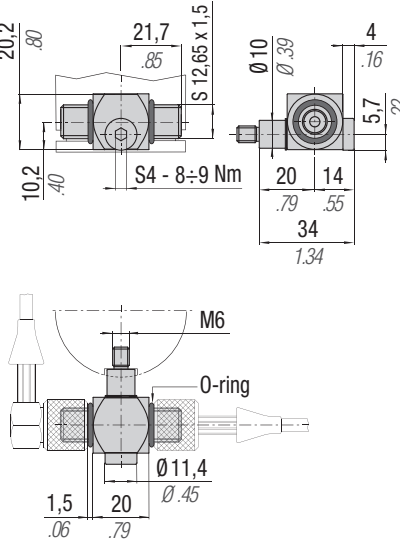


All dimensions in mm/inch

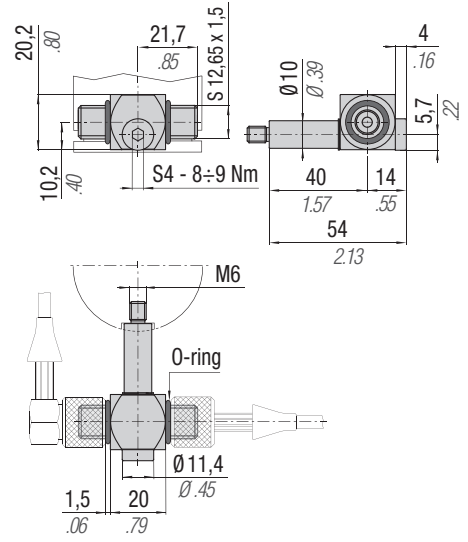
code 39BDM1302



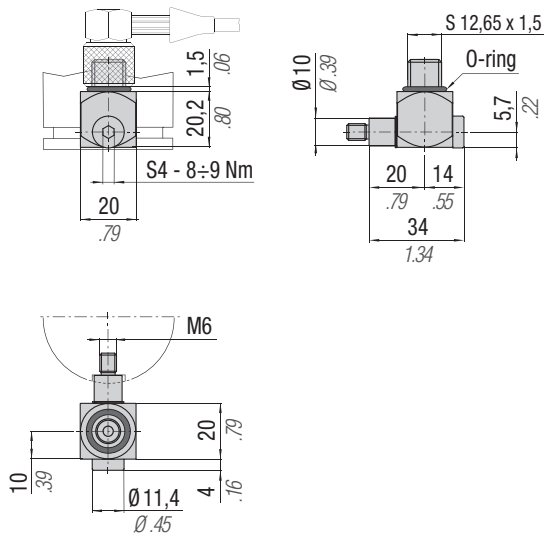
code 39BDM1401



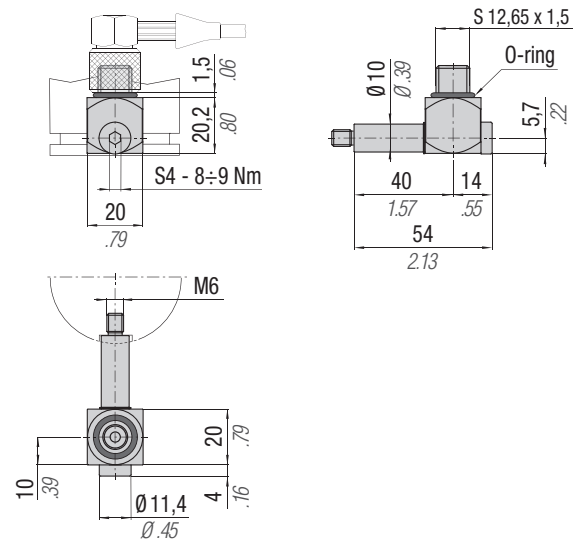
code 39BDM1402



code 39BDM1601

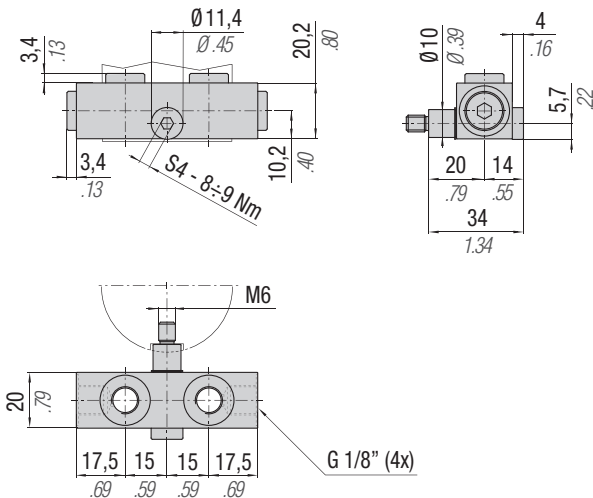


code 39BDM1602

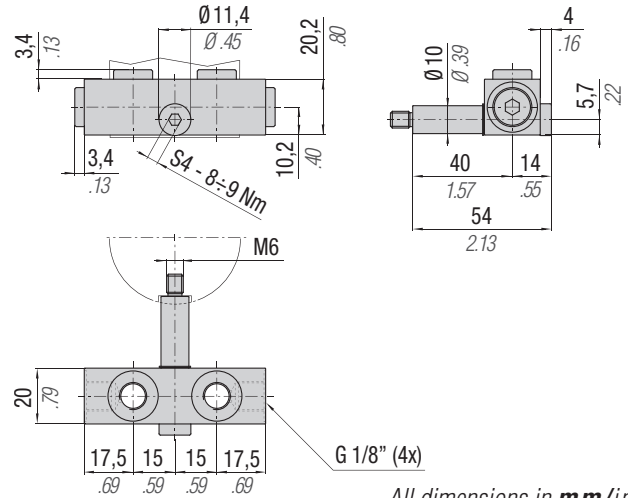


Blocchetto di distribuzione - Distribution block - Gasverteilstück - Plot de distribution - Bloque de distribución - Bloco de distribuição

code 39BDM1501

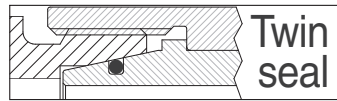
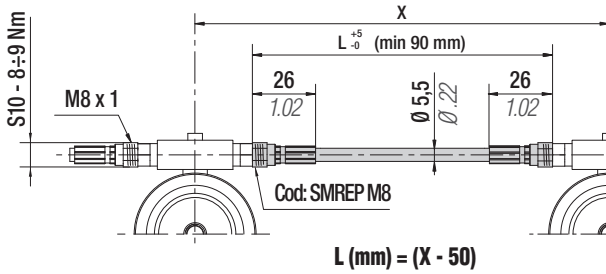


code 39BDM1502

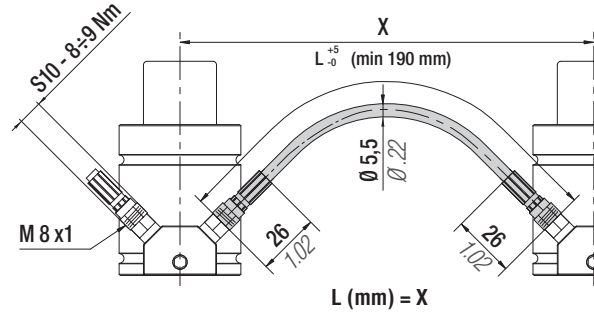


All dimensions in mm/inch

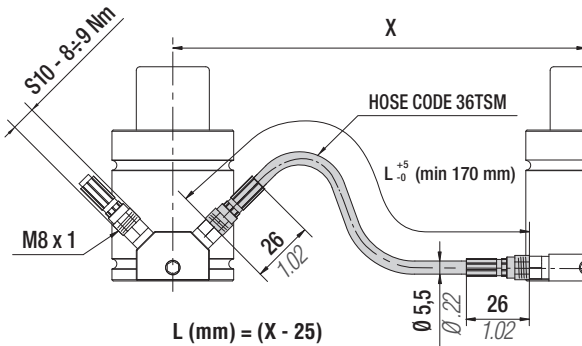


TSM**MICRO 32°
Hose Ø 5,5 mm****Twin
seal****code TSMM8...**

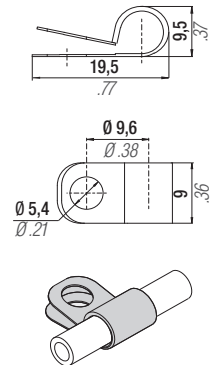
L = 10 mm upward increase
Example (TSMM8 090 mm; TSMM8 100 mm ...)



L = 10 mm upward increase
Example (TSMM8 190 mm; TSMM8 200 mm ...)



L = 10 mm upward increase
Example (TSMM8 170 mm; TSMM8 180 mm ...)

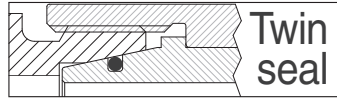
code: 36FF06A

Technical data				
"L" min	See each type	3.54 in	Volume	3 ml/metre
Operation pressure	630 bar	9135 psi	Dimension	5/64" (external Ø 5,5 mm)
Burst Pressure	1890 bar at 20°C	27400 psi at 68°F	Material	Thermoplastic
R (bending radius)	20 mm	0.79 in	Standard	-
Operation temp.	-40 +100°C	-38 +212°F	Outer casing	Perforated

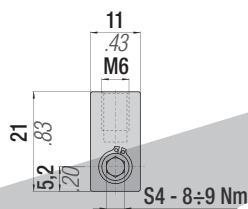
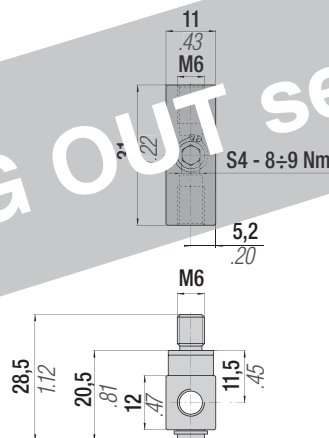
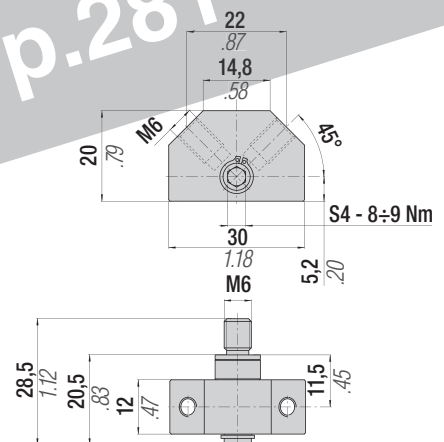


Lunghezze standard (mm) inclusive di n.2 raccordi SMREP M8
Standard lengths (mm) inclusive of no. 2 connections SMREP M8
Standard-Länge (mm) einsch. 2 SMREP-Anschlüssen M8

Longueur standard (mm) comprenant 2 raccords SMREP M8
Longitud estándar (mm) con 2 racores incluidos SMREP M8
Comprimento standard (mm) incluído nas 2 ligações SMREP M8

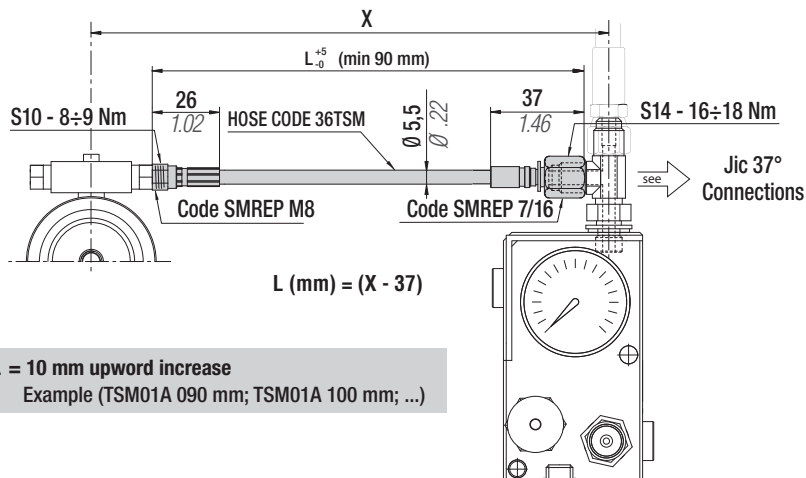
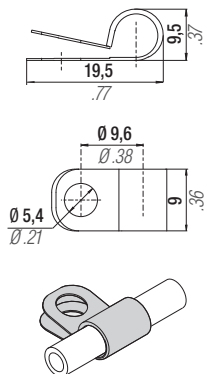
CONNECTIONS**MICRO 32°****Twin
seal**

Blochetto tubo-cilindro - Hose-cylinder block - Block, bestehend aus Schlauch-Zylinder - Bloc tube- cylindre - Bloque tubo-cilindro - Bloqueio do tubo-cilindro

code BDSM01**code BDSM02****code BDSM02-45**All dimensions in **mm/inch**

code TSM01A...

code: 36FF06A



L = 10 mm upward increase
Example (TSM01A 090 mm; TSM01A 100 mm; ...)

Technical data				
"L" min	See each type	3.54 in	Volume	3 ml/metre
Operation pressure	630 bar	9135 psi	Dimension	5/64" (external Ø 5,5 mm)
Burst Pressure	1890 bar at 20°C	27400 psi at 68°F	Material	Thermoplastic
R (bending radius)	20 mm	0.79 in	Standard	-
Operation temp.	-40 +100°C	-38 +212°F	Outer casing	Perforated



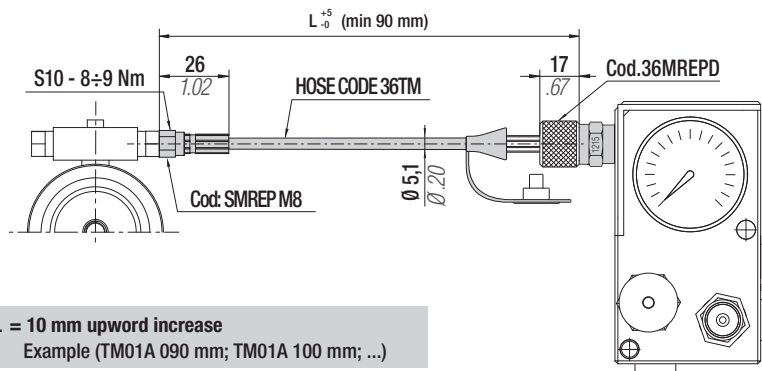
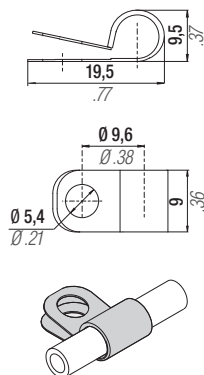
Lunghezze standard (mm) inclusive di n.2 raccordi SMREP M8
Standard lengths (mm) inclusive of no. 2 connections SMREP M8
Standard-Länge (mm) einsch. 2 SMREP-Anschlüssen M8

Longueur standard (mm) comprenant 2 raccords SMREP M8
Longitud estándar (mm) con 2 racores incluidos SMREP M8
Comprimento standard (mm) incluindo nas 2 ligações SMREP M8

MICRO 32° and MINIMESS Hose Ø 5,1 mm

code 36TM01A...

code: 36FF06A



L = 10 mm upward increase
Example (TM01A 090 mm; TM01A 100 mm; ...)

Technical data				
"L" min	See each type	-	Volume	3 ml/metre
Operation pressure	630 bar	9135 psi	Dimension hose	5/64" (external Ø 5,1 mm)
Burst Pressure	1950 bar at 20°C	28275 psi at 68°F	Material hose	Polyamid
R (bending radius)	20 mm	0.79 in	Standard	-
Operation temp.	-20 +100°C	-2 +212°F	Outer casing hose	Perforated

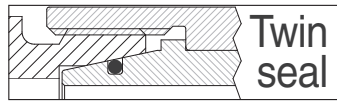


Lunghezze standard (mm) inclusive di n.2 raccordi e tappi
Standard lengths (mm) inclusive of no.2 connections and plugs
Standard-Länge (mm) einsch.2 und Stopfen Anschlüssen

Longueur standard (mm) comprenant 2 raccords et bouchons
Longitud estándar (mm) con 2 racores incluidos y tapones
Comprimento standard (mm) incluindo nas 2 ligações e tampões



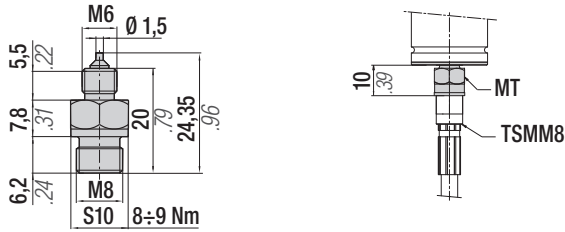
All dimensions in mm/inch



Raccordi tubo-cilindro/pannello - Hose-cylinder/panel connections - Anschlüsse zwischen schlauch und Zylinder/Kontrollarmatur - Raccords tuyau-cylindre/tableau - Conexiones sistema de cilindros/panel - Racord tubo-cilindro/painel

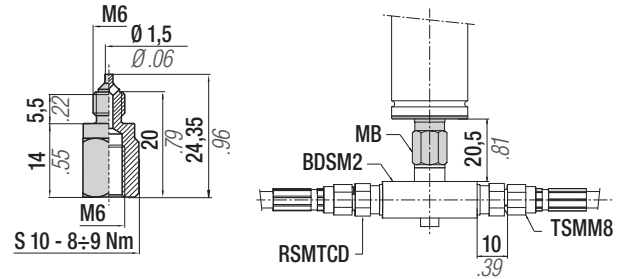
code MT

(only M 50, M70, M90, M90 TBM, M90 TEM, M90 TBI, M200 RV 170 - 320 rev.B)

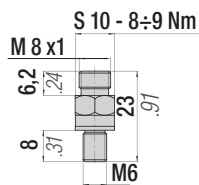


code MB

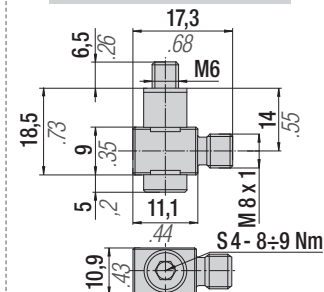
(only M 50, M70, M90, M90 TBM, M90 TEM, M90 TBI, M200 RV 170 - 320 rev.B)



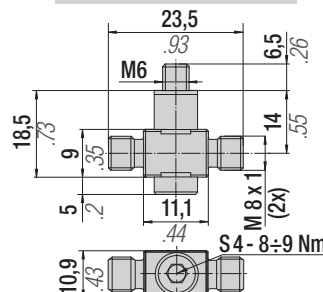
code RSMTCD



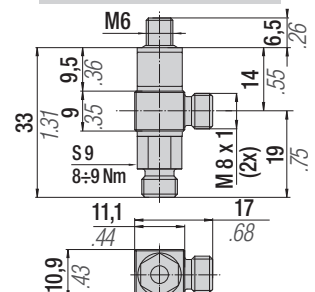
code 36M08A



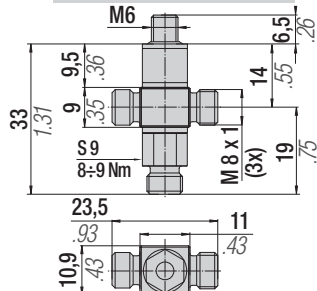
code 36M09A



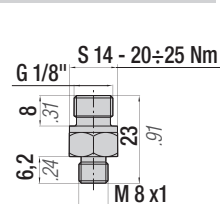
code 36M10B



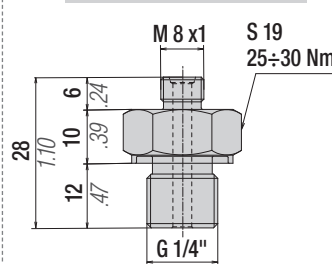
code 36M11B



code RSMPD

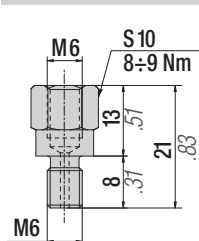


code 36M03A

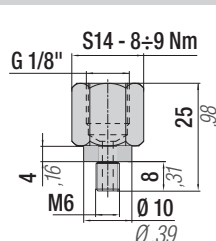


Raccordi di derivazione - Offtake connections - Anschlußstutzen - Raccords de dérivation - Racores - Racord de derivação

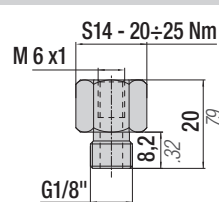
code 36M02A



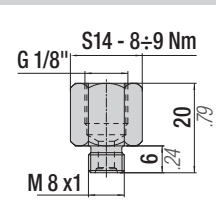
code 36M04A



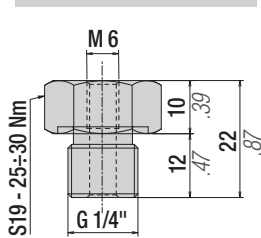
code 36MTC



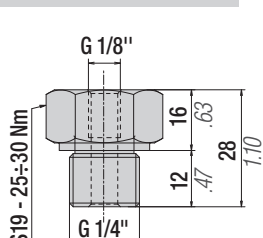
code 36MTR



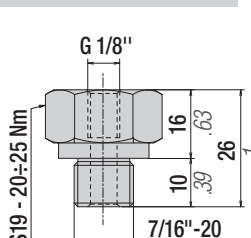
code 36M01A



code 36M12A



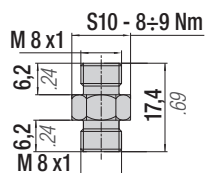
code 36M21A



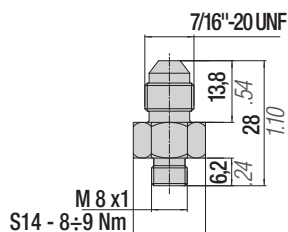
All dimensions in mm/inch

Raccordi tubo-tubo - Hose-hose connections - Anschlüsse zwischen Schlauch und Schlauch - Raccords tuyau-tuyau - Conexiones de tubo a tubo - Racord tubo-tubo

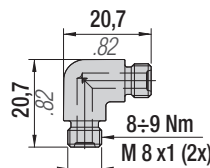
code 36MTTD



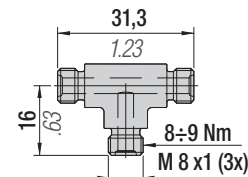
code 36RTTJM



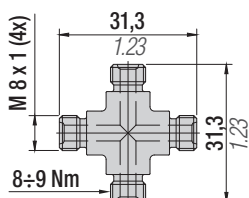
code 36M05A



code 36M06A



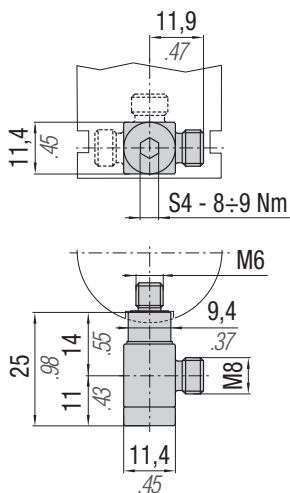
code 36M07A



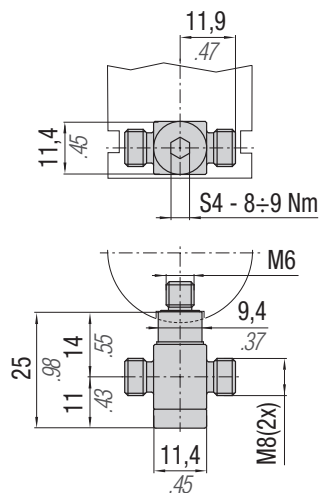
MICRO 32° HEAVY DUTY STAINLESS STEEL CONNECTIONS

Raccordi tubo-cilindro/pannello - Hose-cylinder/panel connections - Anschlüsse zwischen schlauch und Zylinder/Kontrollarmatur - Raccords tuyau-cylindre/tableau - Conexiones sistema de cilindros/panel - Racord tubo-cilindro/panel

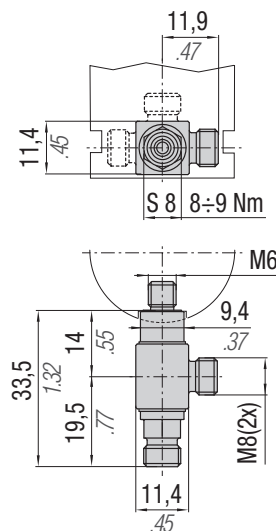
code 36M15A



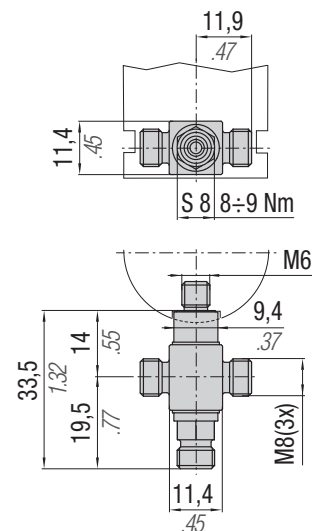
code 36M16A



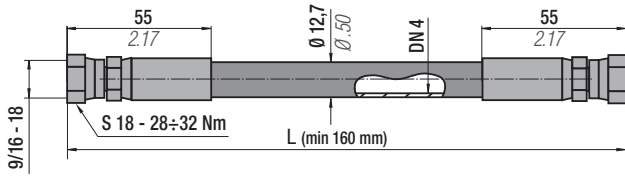
code 36M17A



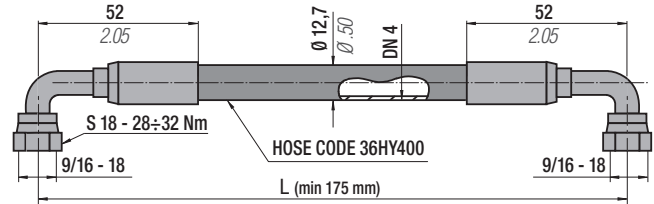
code 36M18A



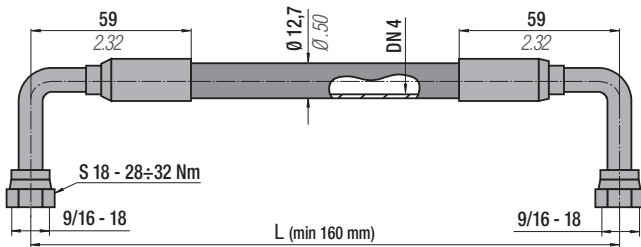
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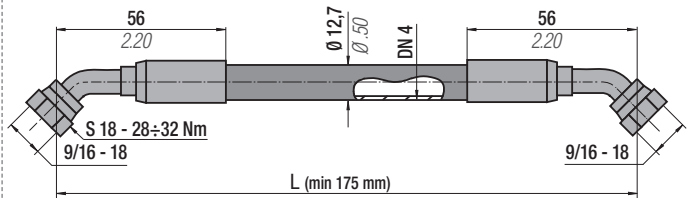
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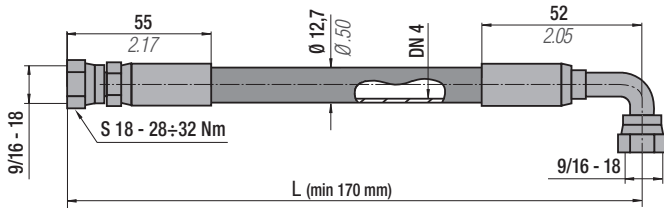
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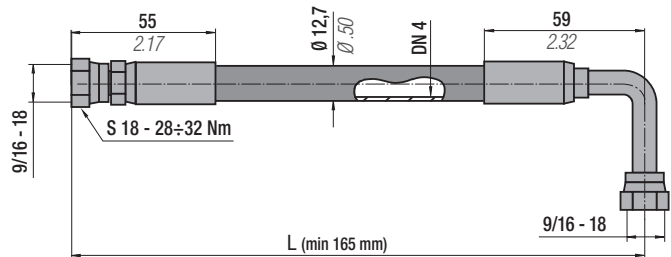
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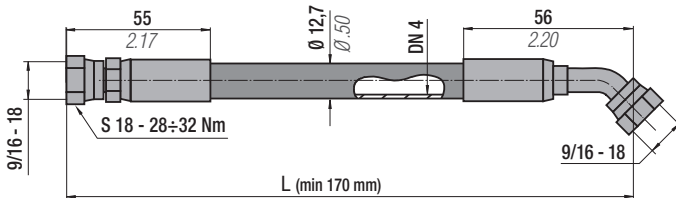
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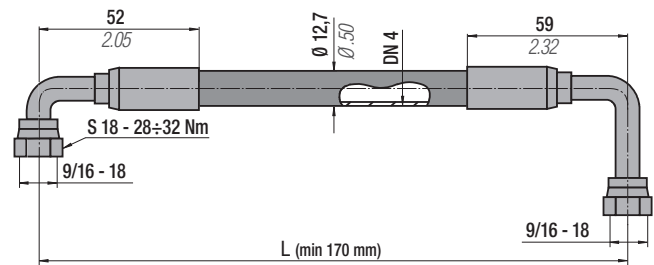
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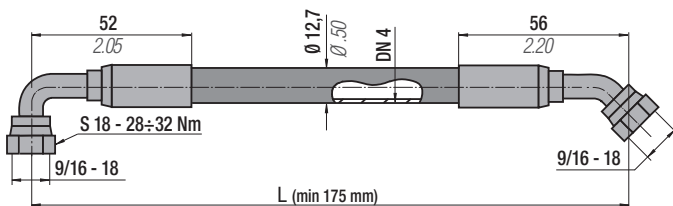
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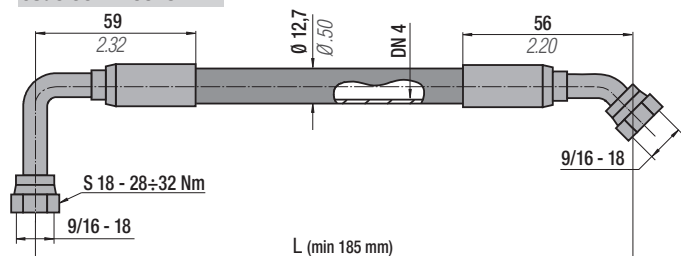
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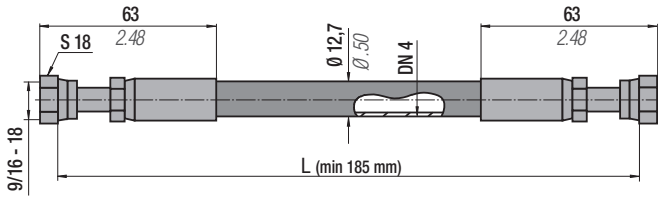
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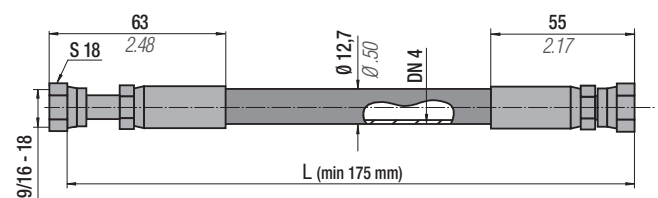
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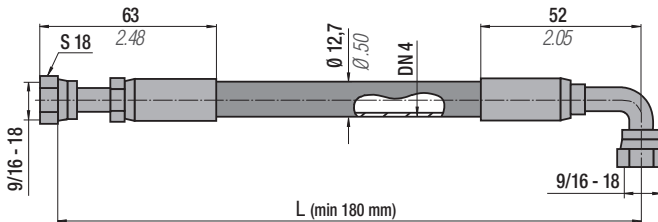
code 36HY40026...



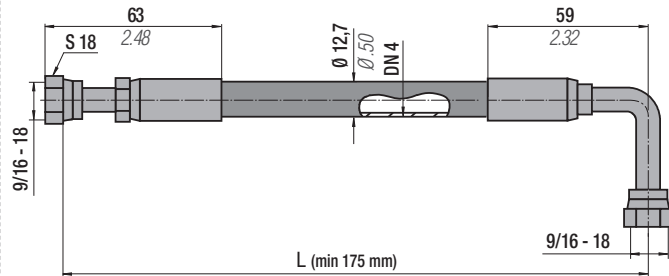
code 36HY40027...



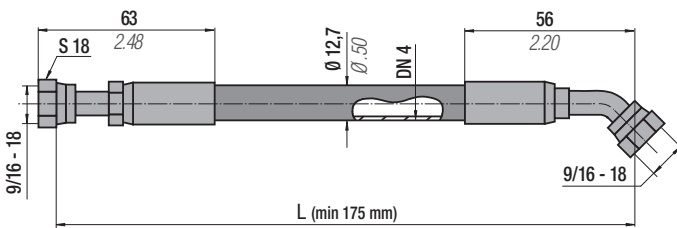
code 36HY40028...



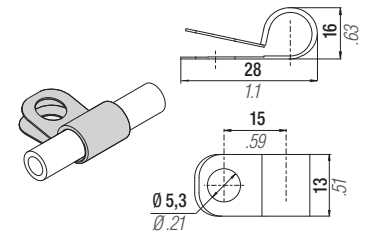
code 36HY40029...



code 36HY40030...



code: 36FF13A



Technical data

"L" min	See each type	-	Volume	32 ml/metre
Operation pressure	345 bar	5003 psi	Dimension	1/4" (external \varnothing 12,7 mm)
Burst Pressure	1380 bar at 20°C	20010 psi at 68°F	Material	Thermoplastic
R (bending radius)	51 mm	2.01 in	Standard	SAE 100R8
Operation temperature	-40+ 100°C	-38 +212°F	Outer casing	Perforated



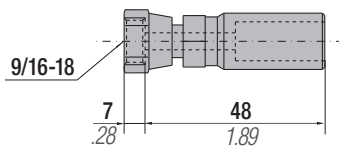
Lunghezza richiesta comprensiva di raccordi terminali
 Length upon request including end hose fittings
 Länge Anfrage einschließlich Ende Schlaucharmaturen
 Longueur requise, y compris des raccords d'extrémité
 Longitud requerida, incluyendo accesorios de los extremos
 Comprimento necessário incluindo todos os acessórios

L = 5 mm upward increase - Example (36HY40016 0300; 36HY40016 0305; ...)

HOSE FITTINGS

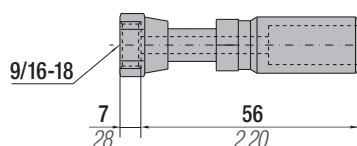
code 36P9/1604

■ Straight Swivel



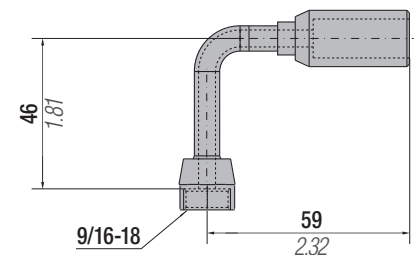
code 36P9/1605

■ Straight Long Swivel



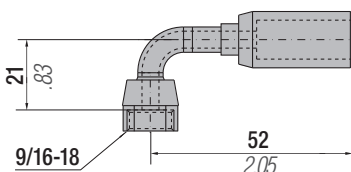
code 36P9/1606

■ 90° Long Swivel



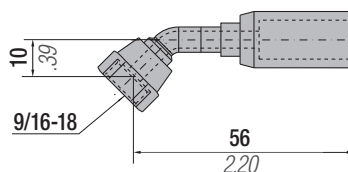
code 36P9/1607

■ 90° Swivel



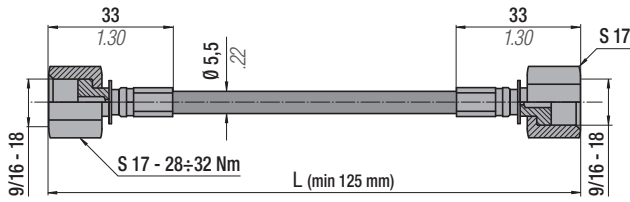
code 36P9/1608

■ 45° Swivel

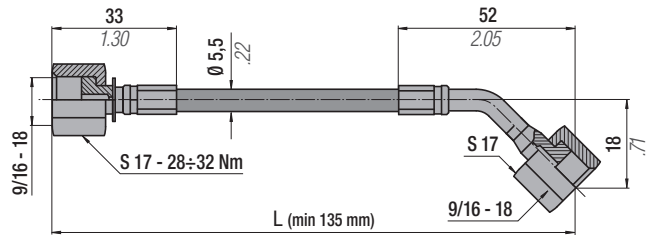


All dimensions in mm/inch

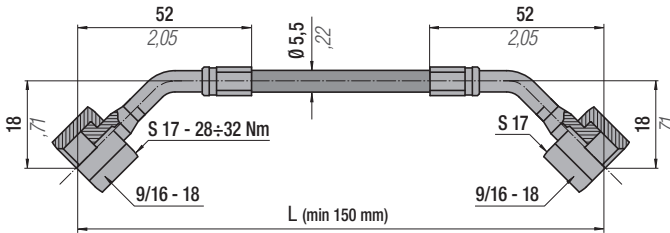
code 36TSM9/1601...



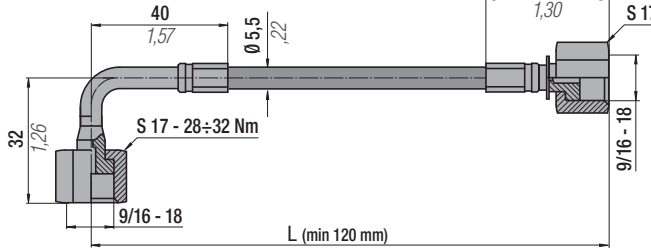
code 36TSM9/1602...



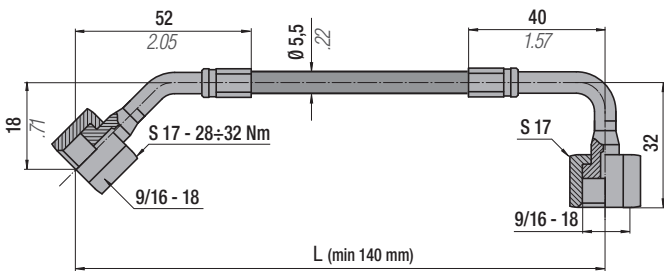
code 36TSM9/1603...



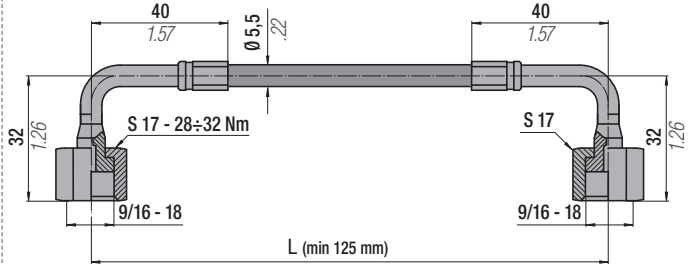
code 36TSM9/1604...



code 36TSM9/1605...



code 36TSM9/1606...



Technical data

"L" min	See each type	-	Volume	3 ml/metre
Operation pressure	630 bar	9135 psi	Dimension	5/64" (external Ø 5,5 mm)
Burst Pressure	1890 bar at 20°C	27400 psi at 68°F	Material	Thermoplastic
R (bending radius)	20 mm	0,79 in	Standard	-
Operation temperature	-40+ 100°C	-38 +212°F	Outer casing	Perforated

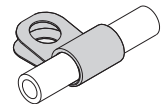
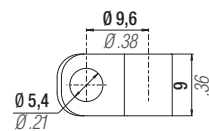
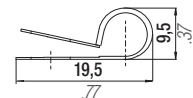


Lunghezza richiesta comprensiva di raccordi terminali
Length upon request including end hose fittings
Länge Anfrage einschließlich Ende Schlaucharmaturen

Longueur requise, y compris des raccords d'extrémité
Longitud requerida, incluyendo accesorios de los extremos
Comprimento necessário incluindo todos os acessórios

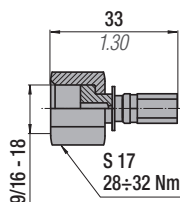
L = 10 mm upward increase - Example (36TSM9/1601 0300; 36TSM9/1605 0310; ...)

code: 36FF06A

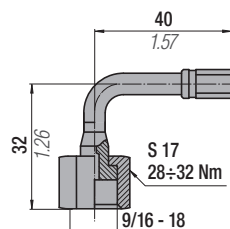


HOSE FITTINGS

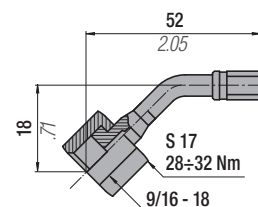
code 36P9/1601



code 36P9/1602



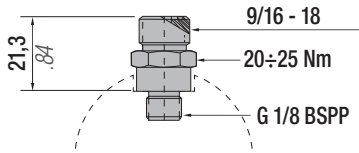
code 36P9/1603



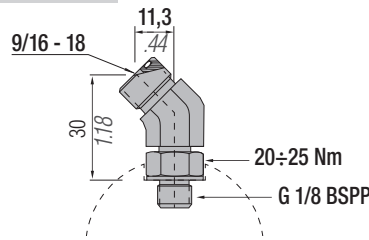
All dimensions in mm/inch

Raccordi tubo-cilindro/pannello - Hose-cylinder/panel connections - Anschlüsse zwischen schlauch und Zylinder/Kontrollarmatur - Raccords tuyau-cylindre/tableau - Conexiones sistema de cilindros/panel - Racord tubo-cilindro/panel

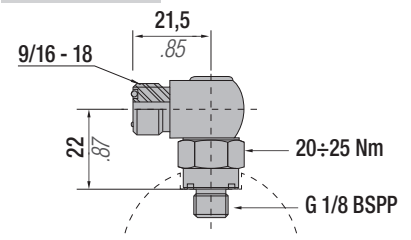
code PA-S Port Adapter - Straight



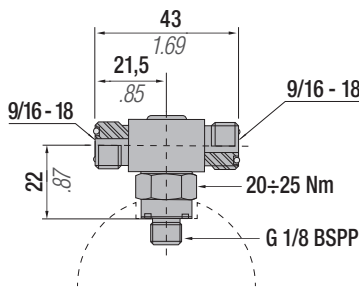
code PA-AS Port Adapter - Angle Swivel



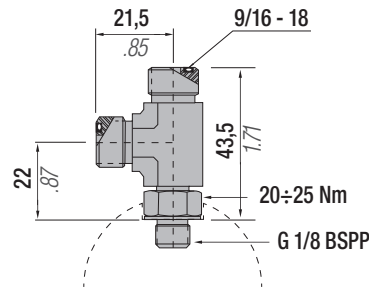
code PA-E Port Adapter - Elbow



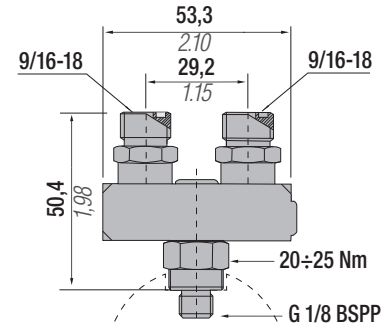
code PA-BTS Port Adapter - Branch Tee Swivel



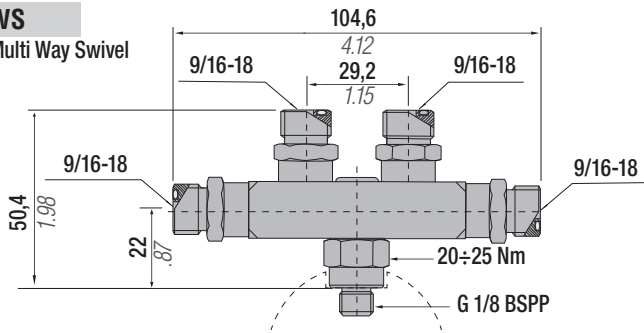
code PA-RT Port Adapter - Run Tee



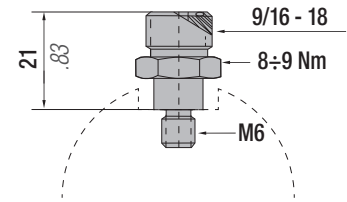
code PA-TWS Port Adapter - Two Way Swivel



code PA-MWS Port Adapter - Multi Way Swivel

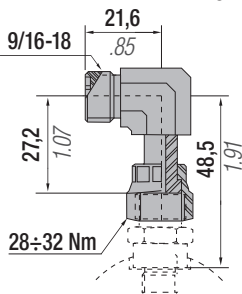


code PA-M6

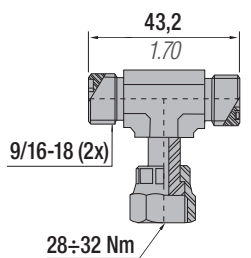


Raccordi di derivazione - Offtake connections - Anschlußstutzen - Raccords de dérivation - Racores - Racord de derivação

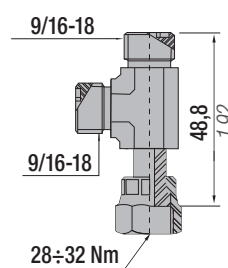
code SN-A Swivel Nut-Angle



code SN-BT Swivel Nut-Branch Tee

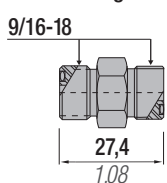


code SN-RT Swivel Nut-Run Tee

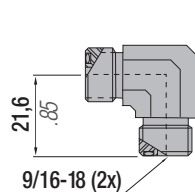


Raccordi tubo-tubo - Hose-hose connections - Anschlüsse zwischen Schlauch und Schlauch - Raccords tuyau-tuyau - Conexiones de tubo a tubo - Racord tubo-tubo

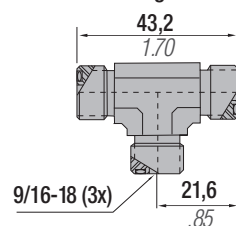
code F-U Fitting-Union



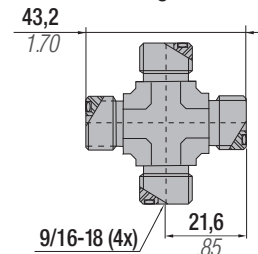
code F-E Fitting-Elbow



code F-T Fitting-Tee

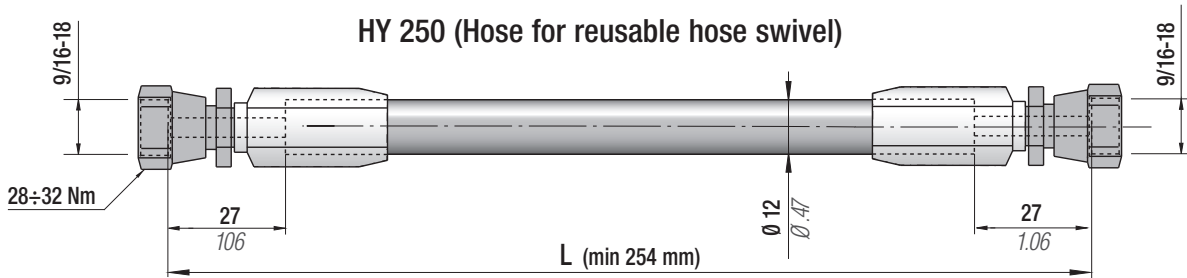


code F-C Fitting-Cross



All dimensions in **mm/inch**





Technical data				
"L" min	See above	10,0 in	Volume	31 ml/metre
Operation pressure	190 bar	2750 psi	Dimension	1/4" (external Ø 12 mm)
Burst Pressure	758 bar at 20°C	11000 psi at 68°F	Material	Thermoplastic
R (bending radius)	38 mm	1,5 in	Standard	SAE 100R7
Operation temperature	-40+ 100°C	-38 +212°F	Outer casing	Perforated



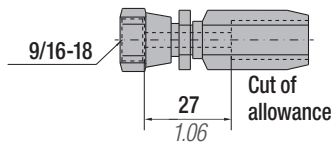
Lunghezza richiesta comprensiva di raccordi terminali
Length upon request including end hose fittings
Länge Anfrage einschließlich Ende Schlaucharmaturen

Longueur requise, y compris des raccords d'extrémité
Longitud requerida, incluyendo accesorios de los extremos
Comprimento necessário incluindo todos os acessórios

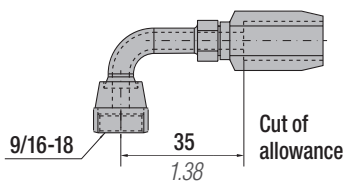
L = 10 mm upword increase - Example (36HY40005 12''(305))

REUSABLE HOSE SWIVELS

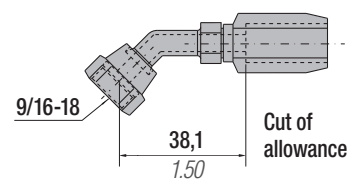
code SHF-R
Straight Swivel



code HF-R90
90° Swivel



code HF-R45
45° Swivel

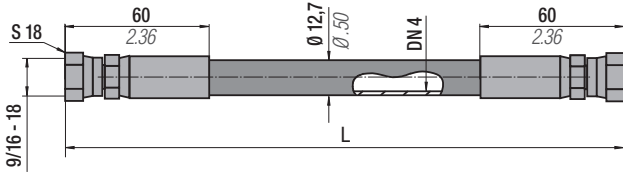




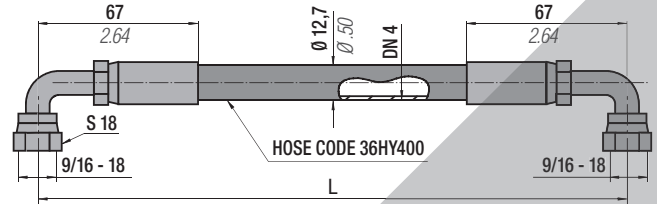
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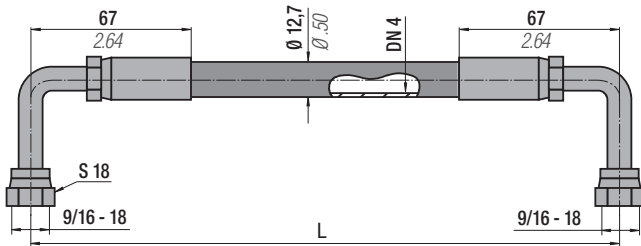
code 36HY40001...



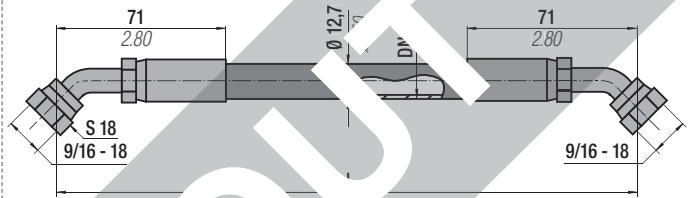
code 36HY40002...



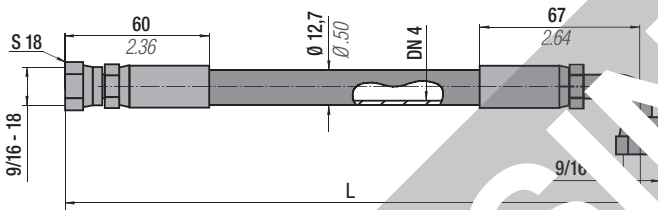
code 36HY40003...



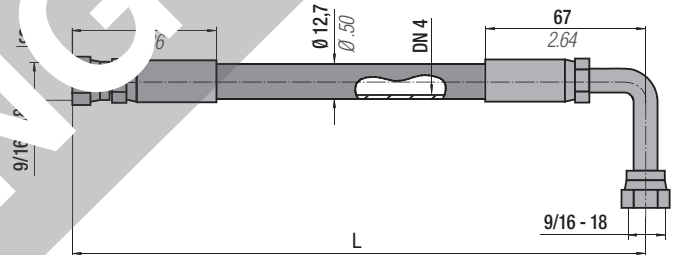
code 36HY40004...



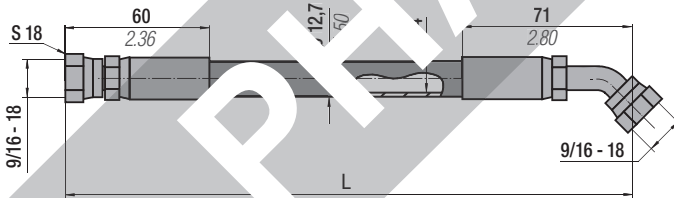
code 36HY40005...



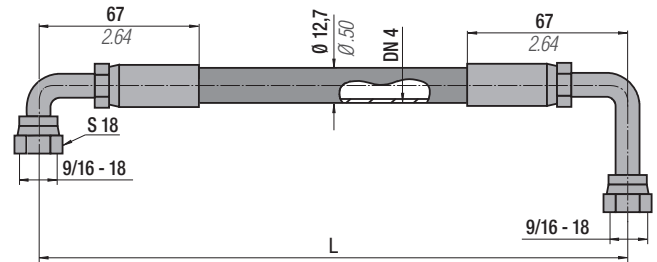
code 36HY40006...



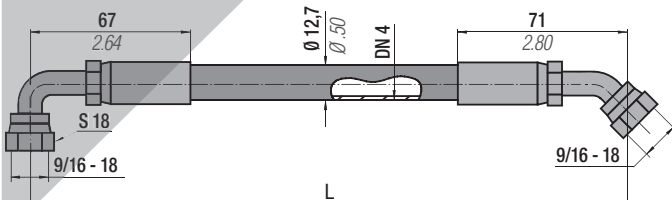
code 36HY40007...



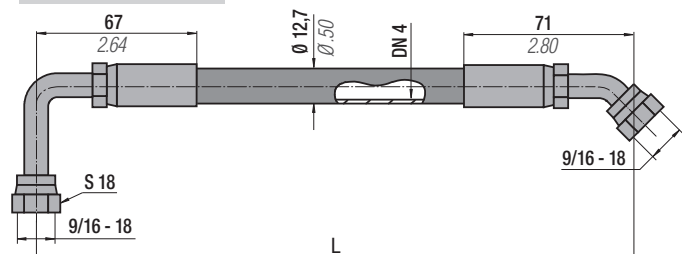
code 36HY40008...



code 36HY40009...

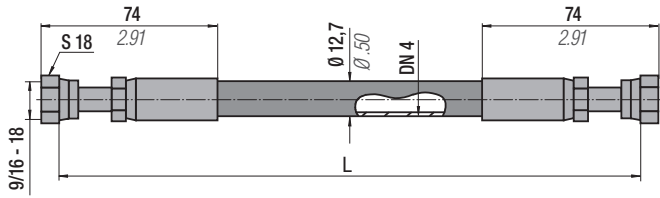


code 36HY40010...

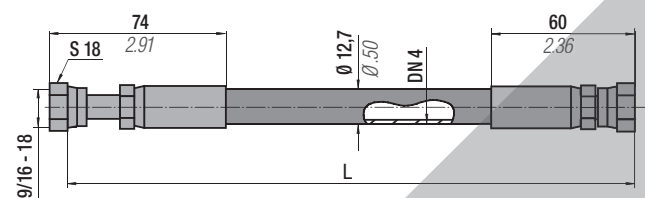


All dimensions in **mm/inch**

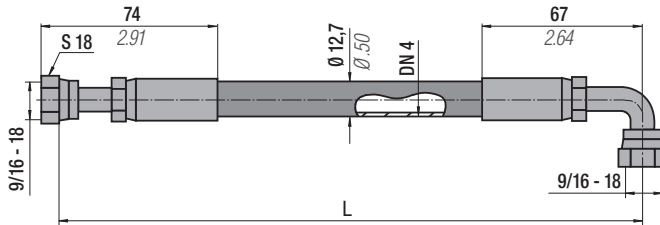
code 36HY40011...



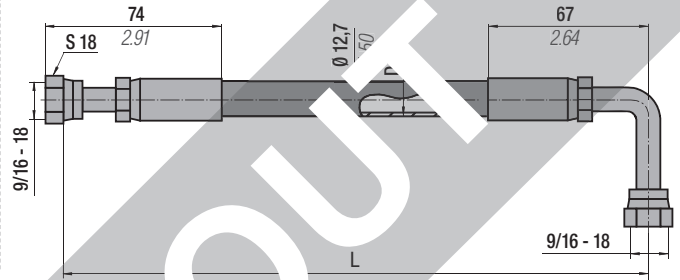
code 36HY40012...



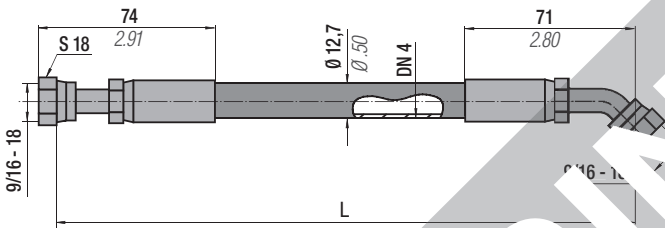
code 36HY40013...



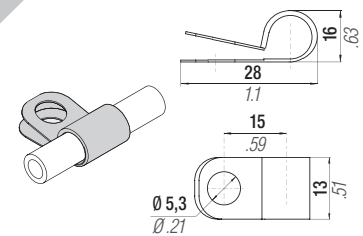
code 36HY40014...



code 36HY40015...



code: 36FF13A



Technical data

"L" min	255 mm	Volume	32 ml/metre
Operation pressure	345 bar	Dimension	1/4" (external Ø 12,7 mm)
Burst Pressure	1380 bar at 20°C	Material	Thermoplastic
R (bending radius)	51 mm	Standard	SAE 100R8
Operation temperature	-40+120°C	Outer casing	Perforated



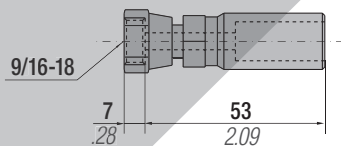
Lunghezza richiesta comprensiva di raccordi terminali
 Length upon request including end hose fittings
 Länge Anfrage einschließlich Ende Schlaucharmaturen
 Longueur requise, y compris des raccords d'extrémité
 Longitud requerida, incluyendo accesorios de los extremos
 Comprimento necessário incluindo todos os acessórios

standard L = 255 mm / 10.04 inch / 5 mm / 0.197 inch per word increase - Example (36HY40016 0300; 36HY40016 0305; ...)

HOSE FITTINGS

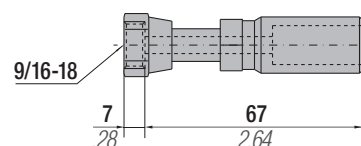
code S-F

Straight Swivel



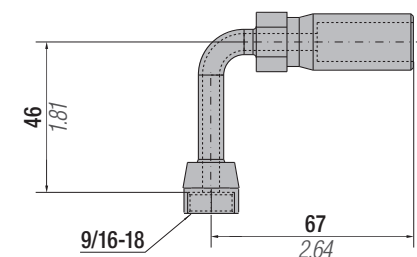
code S-FL

Straight Long Swivel



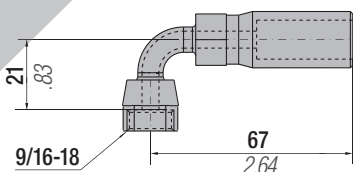
code H-F90L

90° Long Swivel



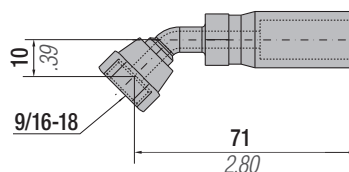
code H-F

90° Swivel



code H-F45

45° Swivel



All dimensions in mm/inch

CONTROL PANEL CP01A



IT

Micro pannello di controllo composto da base in alluminio, manometro, valvola per caricamento e scaricamento, tappo di rottura sovrappressione e protezione in acciaio. Idoneo per la gestione di impianti collegati realizzati con micro hose e micro connections. 16 uscite M6.

EN

Micro control panel with aluminium base, gauge, charging and discharging valve, overpressure rupture plug and steel protection. Suitable for hose systems equipped with micro hose and micro connections. 16 M6 ports.

DE

Micro-Kontrollarmatur mit Aluminiumsockel, Manometer, Auffüll- und Ablassventil, Überdruck Bruch Stecker und Stahlabdeckung. Geeignet für Verbundsysteme mit Micro-Kupplung und -Schläuchen. 16 M6 Anschlüsse.

FR

Mini panneau de contrôle avec base aluminium, équipé de manomètre, valve de chargement et déchargement, bouchon de rupture de surpression et protection acier ; il est adapté aux systèmes connectés équipés de mini tuyaux et mini connexions. 16 Portes M6.

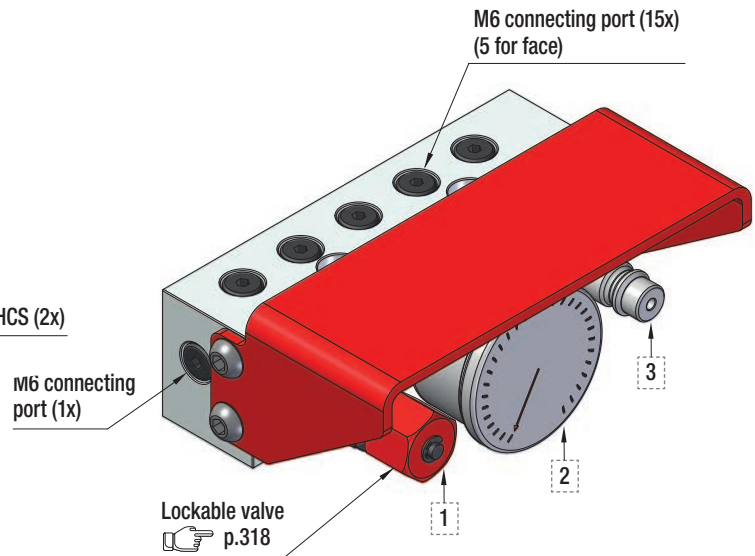
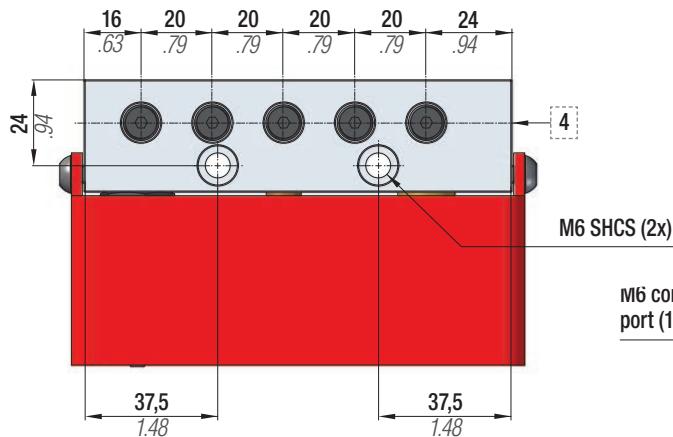
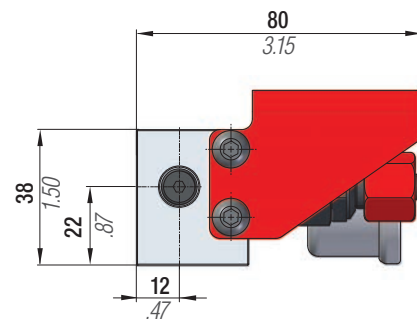
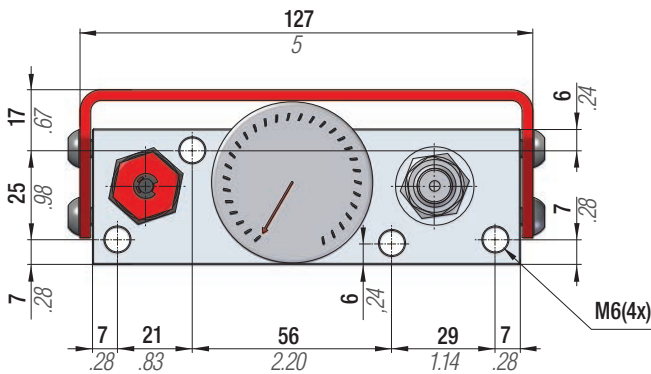
ES

Micropanel de control con base en aluminio, manómetro, válvula de carga y descarga, enchufe de la ruptura de sobrepresión y protección en acero. Idóneo para la gestión de instalaciones de cilindros conectados entre sí con micro mangueras y micro conectores. 16 salidas M6.

PT

Micro Painel de Control com base em alumínio, manómetro, válvula de carga e descarga, plugue ruptura sobrepresão e protecção em aço. Adequado para sistemas de mangueiras, equipado com micro mangueiras e micro conexões. 16 saídas M6.

code	Pressure Gauge	Rupture Plug	Easy Manifold  p.241
39CP01A	bar/psi	✓	✓



1	Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Manometro 0÷ 620 bar Pressure gauge 0÷620 bar Manometer 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar	3	Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobrepresión Plugue ruptura sobrepresão
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IT

Pannello standard per caricamento, regolazione, scaricamento e controllo della pressione nel sistema collegato. Consiste in una base provvista di manometro, valvola di caricamento e scaricamento, 3 uscite, protezione in acciaio. Può essere equipaggiato con disco di rottura (opzionale).

EN

Standard control panel to charge, adjust and check the pressure in the connected system. It consists of a plate with pressure gauge, charging and discharging valve, 3 outlets, steel case and can be equipped with a rupture disc (optional).

DE

Standard-Schalttafel zur Ladung, Regulierung, Entladung und Kontrolle des Drucks im angeschlossenen System. Bestehend aus einer Basis mit Manometer, Lade- und Entladeventil, 3 Ausgängen sowie Schutz aus Stahl. Kann mit einer Berstscheibe ergänzt werden (Zubehör).

FR


Panneau standard pour le chargement, le réglage, le déchargement et le contrôle de la pression dans le système relié. Il est formé par une embase équipée de manomètre, vanne de chargement et déchargement, 3 sorties, protection en acier. Il peut être équipé d'un disque de rupture (option).

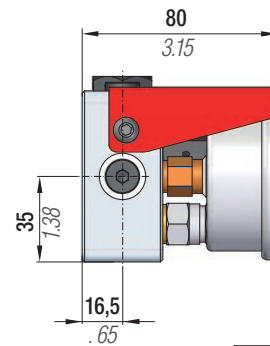
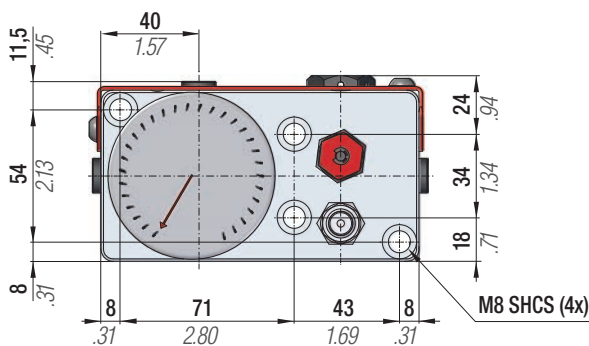
ES

Panel standard para la carga, regulación, descarga y control de la presión en sistemas de cilindros conectados. Consiste en una base con un manómetro Válvula de carga y descarga, 3 salidas, protección en acero. Puede equiparse con disco de ruptura (opcional).

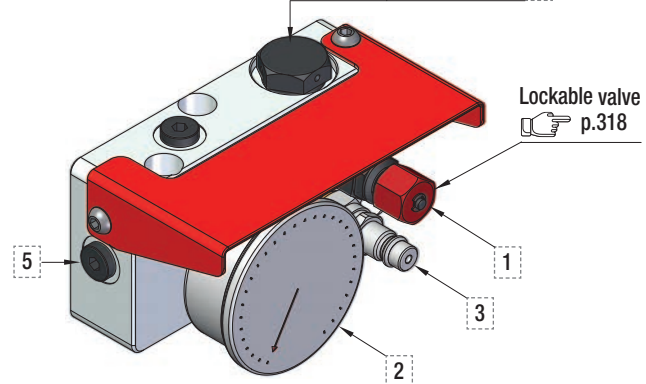
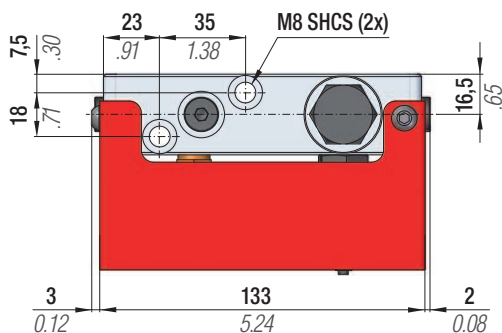
PT

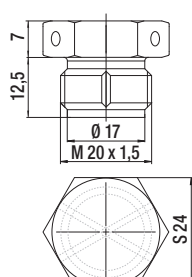
Painel standard para carga, regulação, descarga e controlo da pressão no sistema ligado. É composto por uma base com manómetro. Válvula de carga e de descarga, 3 saídas, protecção em aço. Pode ser equipado com disco de rotura (opcional).

code	Pressure Gauge	Rupture Plug	Easy Manifold  p.241
39CPVC	bar/psi	✗	✓
39CPVC + 39DR004	bar/psi	✓	✓
39CPVC + 39TS460	bar/psi	✓	✓



code 39TS460	4.2 - option
code 39DR004	4.1 - option
standard	4



		code: 39TS460	
1	Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Manometro 0÷ 620 bar Pressure gauge 0÷620 bar Manometer 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar
3	Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4	Tappo di chiusura M20 Closing plug M20 Verschlussstopfen M20 Bouchon de fermeture M20 Tapon de cierre M20 Plugue de fechamento M20
4.1	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de ruptura de sobrepresión Plugue ruptura sobrepresão	4.2	Tappo di sicurezza sovrappressione CE Overpressure safety plug CE Überdruck Sicherheitsstecker CE Bouchon de sécurité surpression CE Enchufe de seguridad sobrepresion CE Bujão de segurança sobrepresão CE
5	Fori di collegamento 1/8"G (4x) 1/8"G connecting ports (4x) Anschlussöffnung 1/8"G (4x) Trous de raccordement 1/8"G (4x) Agujeros de conexión 1/8"G (4x) Furo de conexão 1/8"G (4x)		

CONTROL PANEL MCPC / CP19A

Replace code 39MCPB



IT

Il mini pannello di controllo Special Springs, grazie a un design miniaturizzato e unico, offre una grande flessibilità d'uso che aumenta con le unità addizionali AUMCP. Consiste in un blocchetto di alluminio provvisto di manometro, valvola di caricamento e scaricamento, 4 uscite, valvola d'intercettazione e tappo di rottura sovrappressione.

EN

The Special Springs mini control panel, thanks to its unique miniaturized design, offers wide flexibility of use, increased when combined with additional AUMCP units. It consists of a aluminium block with pressure gauge, charging and discharging valve, 4 outlets, on-off valve and overpressure rupture plug.

DE

Die Mini-Steuerung Special Springs bietet dank ihres miniaturisierten und einzigartigen Designs größte Benutzungsflexibilität, die mit den zusätzlichen AUMCP-Einheiten noch erhöht wird. Bestehend aus einem aluminiumblock mit Manometer, Lade- und Entladeventil, 4 Ausgängen, Sperrventil und Überdruck Bruch Stecker.

FR

Grâce à une conception miniaturisée et unique, le mini-panneau de contrôle Special Springs offre une grande souplesse d'utilisation qui augmente avec les unités supplémentaires AUMCP. Il est formé par une plaque en aluminium équipée de manomètre, vanne de chargement et déchargement, 4 sorties, vanne d'arrêt et Bouchon de rupture surpression.

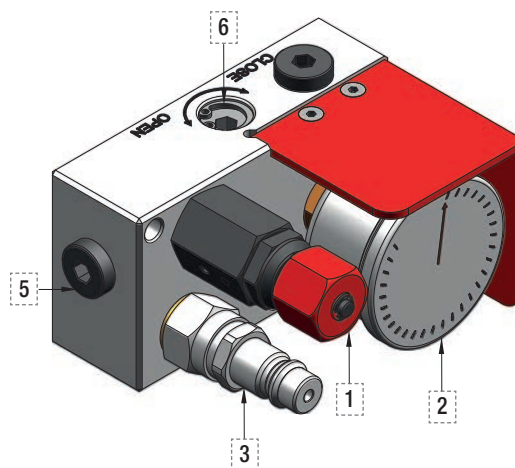
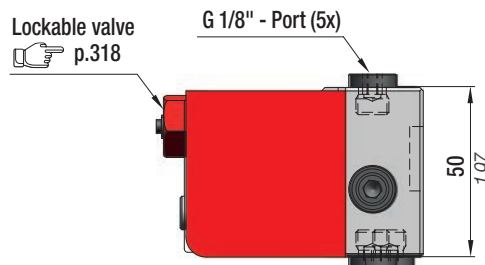
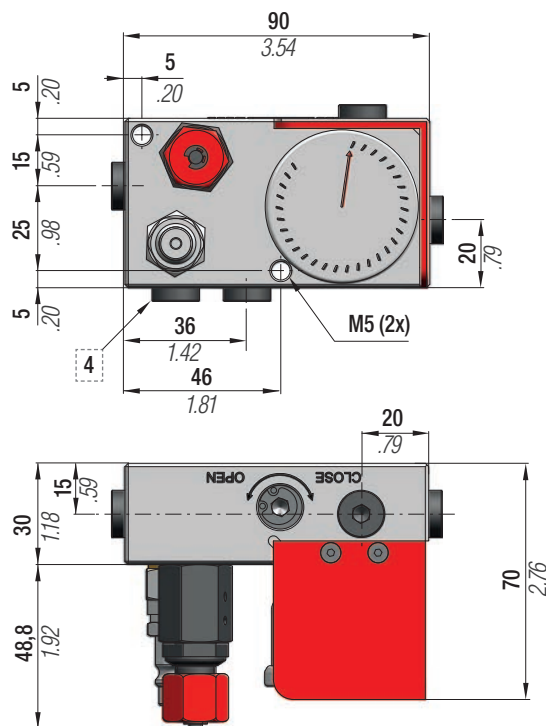
ES

El mini-panel de control Special Springs, gracias a su exclusivo diseño miniaturizado, ofrece una gran flexibilidad, que aumenta con las unidades adicionales AUMCP. Consiste en una placa de aluminio con manómetro, válvula de carga y descarga, 4 salidas, válvula de interceptación y enchufe de ruptura de sobrepresión.

PT

O mini-painel de controlo Special Springs, graças a um design miniaturizado e exclusivo, oferece uma grande flexibilidade de utilização que aumenta com as unidades adicionais AUMCP. É composto por um bloco em alumínio com manómetro, válvula de carga e de descarga, 4 saídas, válvula de interceptação e plugue de ruptura sobrepresão.

code	Pressure Gauge	Rupture Plug	Shut off valve	Easy Manifold	👉 p.241
39MCPB	bar/psi	✓	✓	✓	
39CP19A	bar/psi	✓	✗	✓	



1	Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Manometro 0÷ 620 bar Pressure gauge 0÷620 bar Manometer 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar
3	Innesto rapido di caricamento Quick coupling for charging Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga União rápida para carregamento Cejn	4	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobrepresión Plugue ruptura sobrepresão
		5	Fori di collegamento 1/8"G (5x) 1/8"G connecting ports (5x) Anschlussöffnung 1/8"G (5x) Trous de raccordement 1/8"G (5x) Agujeros de conexión 1/8"G (5x) Furo de conexão 1/8G (5x)
		6	Valvola di intercettazione Shut off valve Sperrventil Valve d'arrêt Válvula de interceptación Válvula de fecho

IT

Unità aggiuntive per minipannello MCPC. Ideali per gestire impianti o cilindri singoli con pressioni diverse nello stesso stampo. Ogni unità include un manometro, una valvola di intercettazione e 1 uscita. Combinazione massima prevista 1 MCPC + 4 AUMCP.

EN

Additional units for the mini control panel MCPC. Ideal for operating hoses systems or single cylinders with different pressures in the same mould. Each unit includes pressure gauge, on-off valve and 1 outlet. Designed for a maximum combination of 1 MCPC + 4 AUMCP.

DE

Zusätzliche Einheiten für die Ministeuerung MCPC. Ideal zur Verwaltung von Anlagen oder einzelnen Zylindern, die beim selben Formprozess verschiedene Druckwerte aufweisen. Jede Einheit ist mit einem Manometer, einem Sperrventil und einem Ausgang ausgestattet. Maximal mögliche Kombination: 1 MCPC + 4 AUMCP.

FR

Unités supplémentaires pour le mini-panneau MCPC. L'idéal pour gérer des installations ou des cylindres seuls sous des pressions différentes dans le même moule. Chaque unité inclut un manomètre, une vanne d'arrêt et 1 sortie. Combinaison maximum prévue: 1 MCPC + 4 AUMCP.

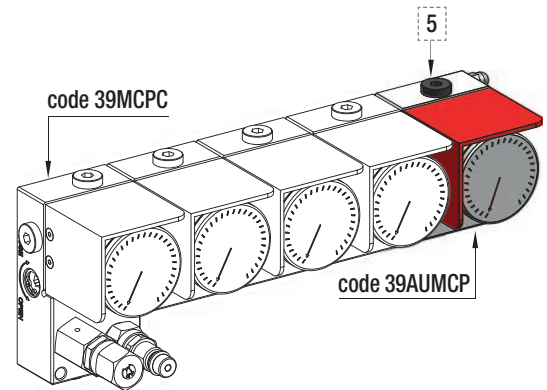
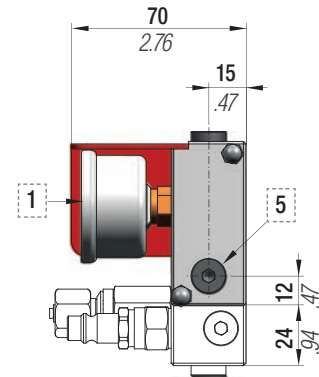
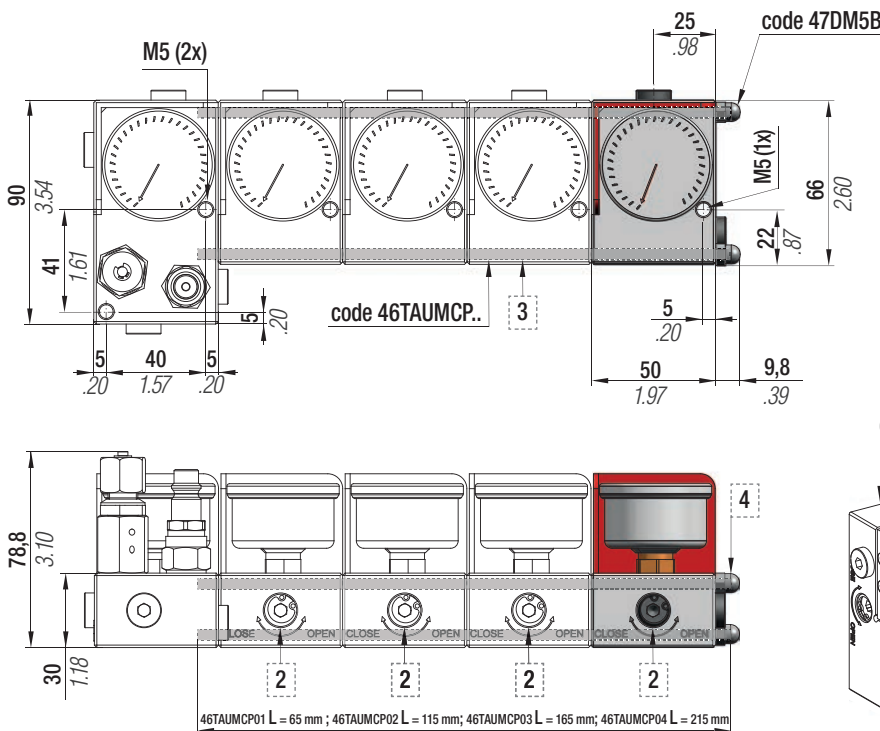
ES

Unidades adicionales para mini-panel MCPC. Ideales para la gestión de sistemas o de cilindros aislados con presiones distintas en un mismo molde. Cada unidad incluye un manómetro, una válvula de interceptación y 1 salida. Combinación máxima prevista 1 MCPC + 4 AUMCP.

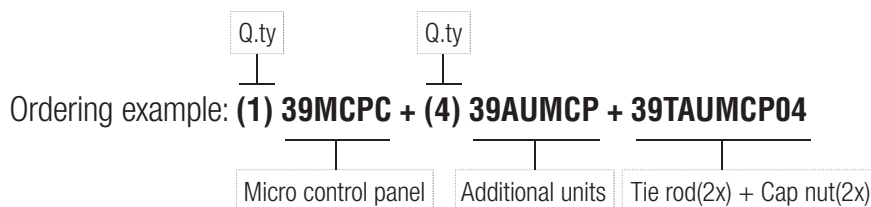
PT

Unidade adicional para mini-painel MCPC. Ideais para gerir instalações ou cilindros individuais com pressões diferentes na mesma ferramenta. Cada unidade inclui um manómetro, uma válvula de interceptação e 1 saída. Combinação máxima prevista 1 MCPC + 4 AUMCP.

code	Pressure Gauge	Rupture Plug	Easy Manifold
39AUMCP	bar/psi	✓	✗



1	Manometro 0÷ 620 bar Pressure gauge 0÷ 620 bar Manometer 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar	Valvola di intercettazione Shut off valve Sperrventil Valve d'arrêt Válvula de interceptación Válvula de fecho	Tirante (2x) Tie rod (2x) Zugstange (2x) Tirant (2x) Tirante (2x) Barra de ligação (2x)	Dado cieco (2x) Cap nut (2x) Hutmutter (2x) Écrou borgne (2x) Tuerca de sombrerete (2x) Porca cega (2x)	Fori di collegamento 1/8"G (2x) 1/8"G connecting ports (2x) Anschlussöffnung 1/8"G (2x) Trous de raccordement 1/8"G (2x) Agujeros de conexión 1/8"G (2x) Furo de conexão 1/8G (2x)
2					
3					
4					
5					



Ordering options code

- (1) 39MCPC + (1) 39AUMCP + 39TAUMCP01
- (1) 39MCPC + (2) 39AUMCP + 39TAUMCP02
- (1) 39MCPC + (3) 39AUMCP + 39TAUMCP03
- (1) 39MCPC + (4) 39AUMCP + 39TAUMCP04



CONTROL PANEL CP02A / CP08A / CP11A

(Ford, MABEC, Nissan, Renault and GM North America die Standard)



IT

Pannello di controllo secondo standard Ford e GM Nord America. Base in alluminio provvista di manometro, valvola di caricamento e scaricamento, adattatore 9/16-18 UNF ORFS, tappo di rottura sovrappressione e protezione in acciaio. 3 uscite G1/8" per gestione sistemi collegati.

EN

Control panel according to Ford and GM North America standards. Made up of aluminium base. Gauge, charging and discharging valve, 9/16-18 UNF ORFS adapter, over pressure rupture plug and steel protection. 3 ports G1/8".

DE

Kontrollarmatur gem. Ford und GM North America Normen. Aufgebaut auf Aluminiumsockel. Manometer, Auffüll- und Ablassventil, 9/16-18 UNF ORFS Adapter, Überdruck Bruch Stecker und Stahlabdeckung. 3 G1/8" Anschlüsse.

FR

Panneau de contrôle selon les standards Ford et GM, Amérique du Nord, base en aluminium. Manomètre, valve de chargement et déchargement, adaptateur 9/16-18 UNF ORFS, Bouchon de rupture de surpression et protection acier, 3 ports G1/8".

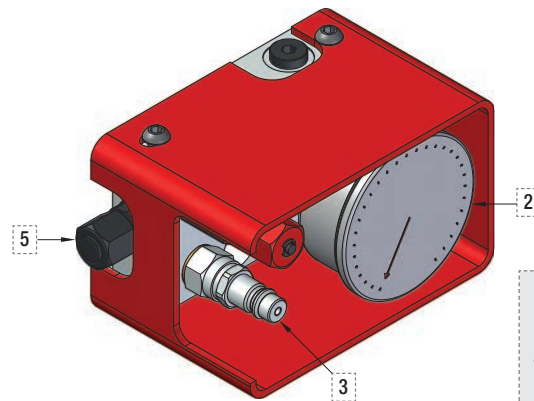
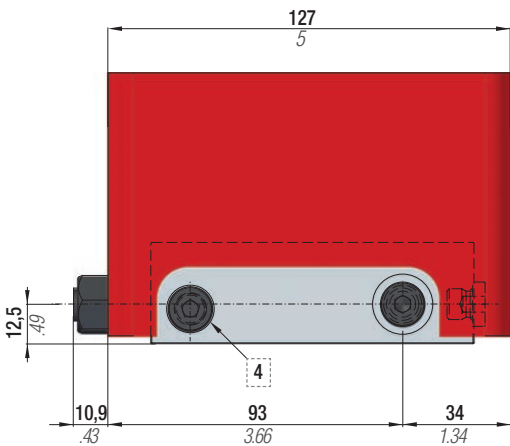
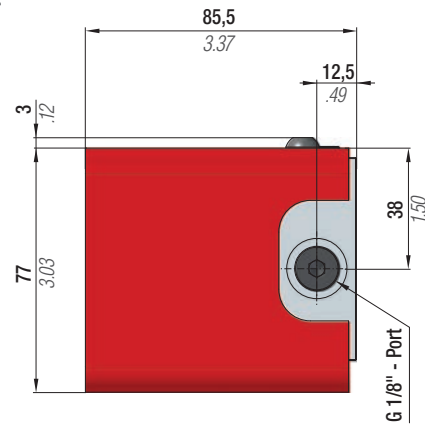
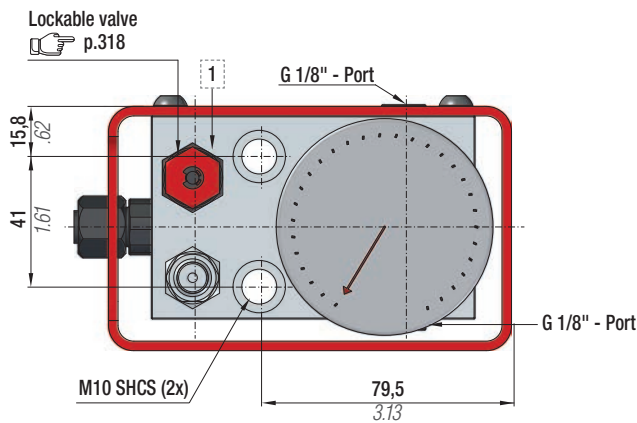
ES

Panel de control según standard Ford y GM Norte America. Base de aluminio con manómetro, válvula de carga y descarga, adaptador 9/16-18 UNF ORFS, Enchufe de ruptura de sobre presión y protección en acero. 3 salidas G1/8" para sistemas de cilindros conectados.

PT

Painel de controlo de acordo com os Standards Ford e GM América do Norte. Fabricado a partir de uma base de alumínio, manómetro, válvula de carga e descarga, adaptador ORFS 9/16-18 UNF, Plugue ruptura sobre pressão e protecção em aço. 3 saídas G1/8" para sistemas de gestão relacionados.

code	Pressure Gauge	Rupture Plug	Easy Manifold
39CP02A	bar/psi	✓	✗
39CP08A	bar/MPa	✓	✗
39CP11A	bar/psi	✗	✗



- 1 Valvola di scarico
Discharging valve
Auslaßventil
Valve de déchargement
Válvula de desahogo
Válvula de descarga

2 Manometro 0÷ 620 bar Pressure gauge 0÷ 620 bar Manometer 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar	3 Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4 Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobre presión Plugue ruptura sobre pressão	5 Adattatore tenuta frontale 9/16-18 UNF O-Ring Face Seal Adapter 9/16-18 UNF O-ring-Dichtung Adapter 9/16-18 UNF Joint torique adaptateur 9/16-18 UNF O-ring face seal adapter 9/16-18 UNF Adaptador de vedação frontal 9/16-18 UNF
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IT

Pannello di controllo con base in alluminio, provvi manometro con valvola di intercettazione, valvola di caricamento e scaricamento, tappo di rottura sovrappressione, protezione in acciaio, 9 uscite da G1/4" per gestione sistemi collegati. La valvola di intercettazione protegge il manometro dalla pressione pulsante durante il funzionamento. Per controllare e regolare la pressione dell'impianto bisogna aprire la valvola di intercettazione del manometro.

EN

Control panel with aluminium base, gauge with shut-off valve, charging and discharging valve, over pressure rupture plug, steel protection. 9 G1/4" ports for hose systems managing. With shut-off valve closed the gauge is protected from pulsating pressure during operation. For checking and adjusting the pressure the interception valve on the gauge must be opened.

DE

Kontrollarmatur mit Aluminiumsockel, Manometer mit Sperrventil, Auffüll- und Ablassventil, Überdruck Bruch Stecker und Stahlabdeckung. 9 G1/4" Anschlüsse zur Steuerung der Verbundsysteme. Das Schließen des Manometers mit dem Sperrventil schützt vor Druckschwankungen während des Arbeitsgangs. Zum Prüfen und Einstellen des Drucks muss das Sperrventil am Manometer geöffnet sein.

FR

Panneau de contrôle avec embase aluminium, équipé de manomètre à valve d'arrêt, valve de chargement et déchargement, bouchon de rupture de surpression et protection acier. Ports 9 G1/4" pour gestion de la connectique. Lorsque la valve d'arrêt est fermée, le manomètre est protégé des vibrations dues à la pression durant les opérations. Pour contrôler et ajuster la pression, il convient d'ouvrir la valve d'interception au niveau du manomètre.

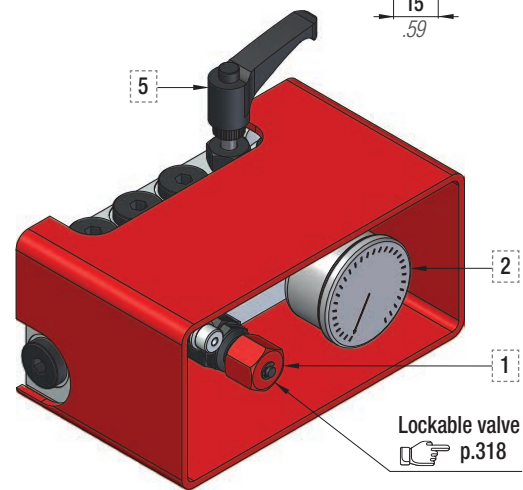
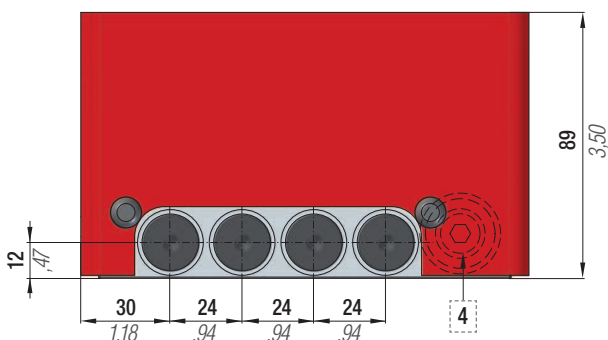
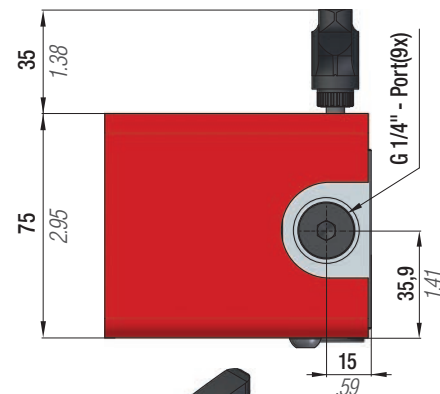
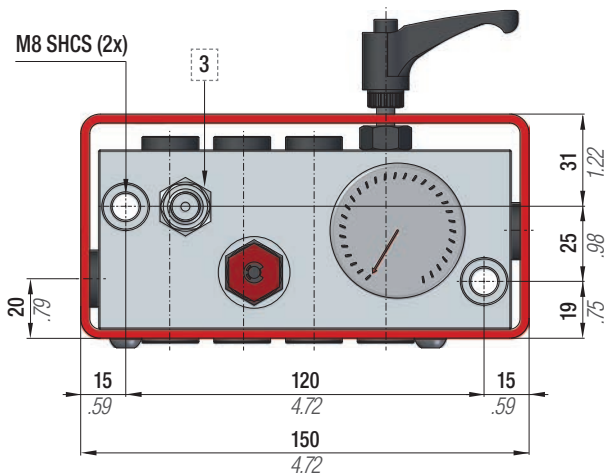
ES

Panel de control con base de aluminio, manómetro con válvula de interceptación (shut-off valve), válvula de carga y descarga, enchufe de ruptura de sobrepresión protección en acero. 9 salidas G1/4" para gestión de sistemas interconectados. Con válvula de interceptación cerrada el manómetro está protegido desde el pico de presión durante un funcionamiento normal. Para controlar y regular la presión abrir la válvula de interceptación del manómetro.

PT

Painel de Controlo com base em alumínio, manómetro com válvula de obturação, plugue ruptura sobrepresão e protecção em aço. 9 furos* G1/4" para uso de sistemas de mangueiras. Com a válvula de obturação fechada fica protegido das pressões existentes durante a operação. Para verificar e ajustar a pressão, a válvula de intercepção no manómetro tem que estar aberta.

code	Pressure Gauge	Rupture Plug	Easy Manifold
39CP03A	bar/psi	✓	✗



1	Valvola di scarico Discharging valve Auslassventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Manometro 0÷ 620 bar Pressure gauge 0÷ 620 bar Manometer 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar	3	Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobrepresión Plugue ruptura sobrepresão	5	Valvola di intercettazione Shut off valve Sperrventil Valve d'arrêt Válvula de interceptación Válvula de fecho
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CONTROL PANEL CP06A / CP09A



IT
Pannello di controllo con base in alluminio provvisto di sensore di pressione con display digitale, valvola di caricamento e scaricamento, tappo di rottura sovrappressione, protezione in acciaio, 2 uscite da 1/8" gas per gestione sistemi collegati. Collegando direttamente il sensore di pressione al controllo pressa è possibile impostare un range di lavoro desiderato al di fuori del quale il dispositivo invierà un segnale di allarme.

EN
Control panel with aluminium base, equipped with pressure sensor with digital display, charging and discharging valve, over pressure rupture plug, steel protection and two 1/8" gas outlets for hose system managing. By connecting directly the pressure sensor with the Press control unit, it is possible to set a desired working range, outside this value, the control unit will send an alarm signal.

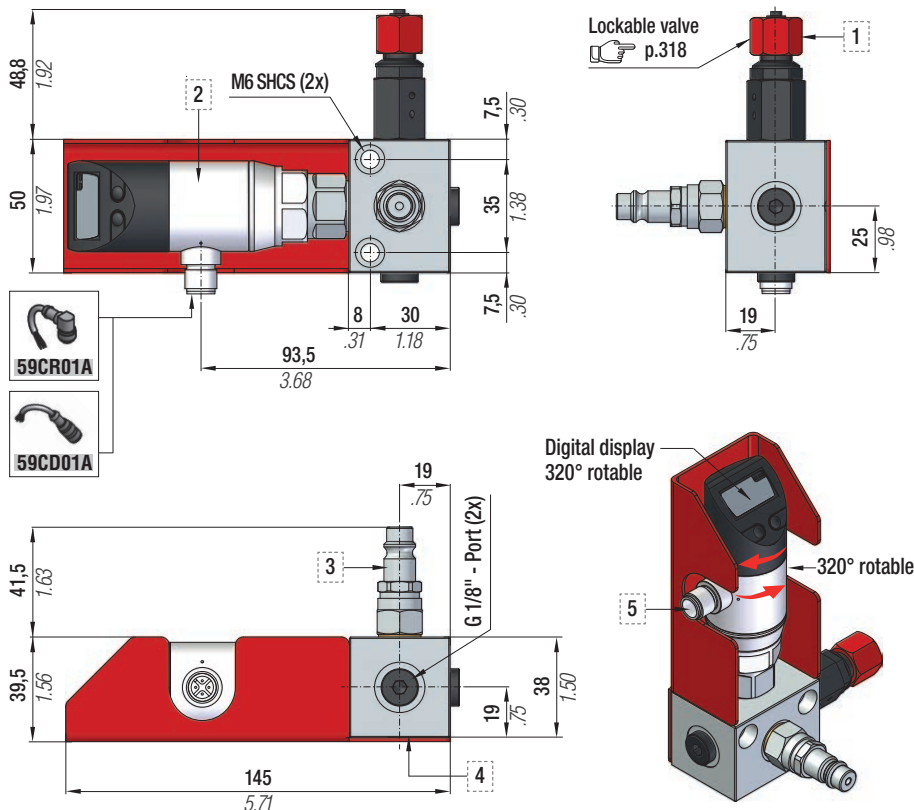
DE
Kontrollarmatur mit Aluminiumsockel, ausgestattet mit Drucksensor aus digitaler Display, auffüll- und Ablassventil, Überdruck Bruch Stecker, Stahlabdeckung und zwei 1/8" Anschlüsse zur Steuerung der Verbundsysteme. Bei der direkten Verbindung des Drucksensors mit Pressesteuerung es ist möglich eine erwünschte Arbeitsreichweite anzulegen, außerhalb diese Wert wird der Steuerung ein Alarm Signal zu senden.

FR
Panneau de contrôle avec embase en aluminium, équipé de senseur de pression à écran numérique, chargement et déchargement valve, Bouchon de rupture de surpression, protection en acier et deux sorties 1/8" gaz pour la gestion des systèmes connectés. En reliant directement le senseur de pression au système de gestion de la presse on peut établir un éventail désiré des valeurs de travail, au dehors de ces valeurs, le dispositif émettra un signal d'alarme.

ES
Panel de control con base de aluminio, provisto de sensor de presión con display digital, válvula de carga y descarga, Enchufe de ruptura de sobrepresión, protección en acero, 2 salidas de 1/8" gas para gestión de sistemas conectados. Conectando directamente el sensor de presión al control de la prensa es posible determinar unos rangos de trabajo, fuera de los cuales el dispositivo envía una señal de alarma.

PT
Painel de controlo com base de alumínio, equipado com sensor de pressão digital, válvula de carga e descarga, Plugue ruptura sobrepresão, sistema de protecção de aço e duas tomadas de 1/8" gas para ligação a mangueiras. ao ligar directamente o sensor de pressão com a unidade de controlo, é possível definir o funcionamento desejado, fora destes valores, a unidade de controlo envia um sinal de alarme.

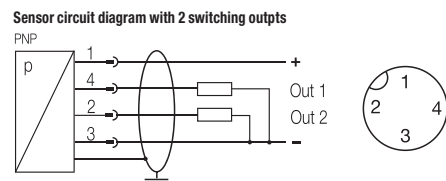
code	Pressure Gauge	Rupture Plug	Easy Manifold
39CP06A with 59CD01A	bar/psi	✓	✗
39CP09A with 59CR01A	bar/psi	✓	✗



Technical data	
Electrical connector type	M12x1 - Male (4-pin)
Pressure connection	G 1/4" DIN 3852
Nominal pressure	0 - 600 bar
Burst pressure	1100 bar
Operating voltage U _o	18...36 V DC
Output current max.	500 mA
No-load supply current I _o max	≤ 50 mA
Switching frequency f	200 Hz
Temperature range	- 25°C... + 85°C
Degree of protection as per IEC 60529	IP67 when connected
Output: digital data (switching points only)	2xPNP, NO/NC selection

Always depressurize and disconnect pressure sensors from the power supply before establishing an electrical connection.

Electrical connections	Sensors with switching output	Wire connections color
Supply +	1	Brown
Supply -	3	Blue
Signal +	-	White
Switching output 1	4	Black
Switching output 2	2	-
Shield	Connector housing	-



1 Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga	2 Manometro 0÷ 600 bar Pressure gauge 0÷ 600bar Manometer 0÷ 600 bar Manomètre 0÷ 600 bar Manómetro 0÷ 600 bar Manómetro 0÷ 600 bar	3 Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4 Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobrepresión Plugue ruptura sobrepresão	5 Connettore elettrico Electrical connector Elektrische Connecteur électrique Eléctrica Conector Conector elétrico
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IT

Pannello di controllo con base in alluminio provvisto di sensore di pressione con display digitale, valvola di caricamento e scaricamento, tappo di rottura sovrappressione, protezione in acciaio, 2 uscite da 1/8" gas per gestione sistemi collegati. Collegando direttamente il sensore di pressione al controllo pressa è possibile monitorare in continuo il valore della pressione dell'impianto e gestirlo di conseguenza.

EN

Control panel with aluminium base, equipped with pressure sensor and digital display, charging and discharging valve, overpressure rupture plug, steel protective cover and two G 1/8" ports for managing linked systems. By connecting the pressure sensor to the press control, it is possible to constantly monitor the pressure value of the system and manage it accordingly.

DE

Kontrollarmatur mit Aluminiumgehäuse mit Drucksensor und Digitalanzeige, Befüll- und Ablassventil, Überdruck-Berstsicherung, Schutzabdeckung aus Stahl, zwei G1/8 Anschlussgewinden zur Steuerung von Verbundsystemen. Durch den Anschluss des Drucksensors direkt an die Pressensteuerung ist es möglich, den Druck der Anlage kontinuierlich zu überwachen und entsprechend zu steuern.

FR

Panneau de contrôle avec base en aluminium, équipé d'un capteur de pression et d'un affichage numérique, valve de chargement/déchargement, bouchon de rupture pour surpression, couverture de protection en acier et deux ports G 1/8" pour la gestion des systèmes connectés. En connectant le capteur de pression à la commande de la presse, il est possible de surveiller en permanence la valeur de pression du système et de la gérer en conséquence.

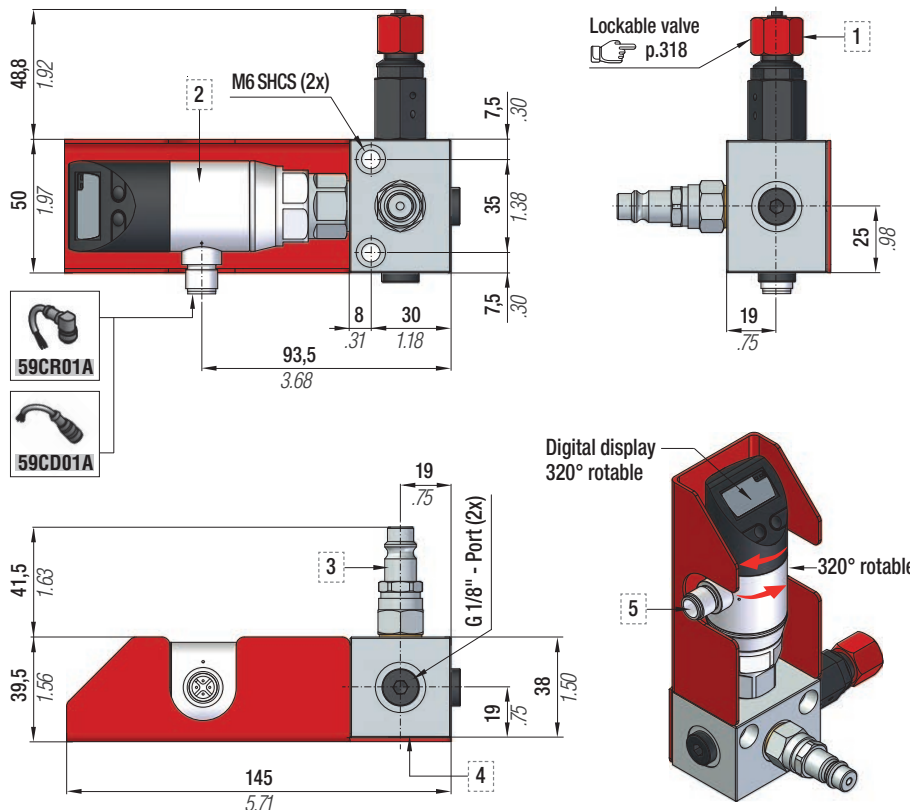
ES

Panel de control con base de aluminio equipado con sensor de presión con pantalla digital, válvula de carga y descarga, tapón de rotura de sobrepresión, protección de acero, 2 salidas G1/8" para administrar los sistemas conectados. Conectando directamente el sensor de presión al control de la prensa, es posible monitorear continuamente el valor de presión del sistema y administrarlo en consecuencia.

PT

Painel de controle com base em alumínio, fornecido com sensor de pressão e display digital, válvula de carregamento e descarregamento, bujão de ruptura para sobre pressão, 2 saídas G1/8" para verificação do sistema. Conectando o painel ao comando da prensa, é possível monitorar continuamente a pressão de trabalho do sistema, monitorando com total segurança o funcionamento.

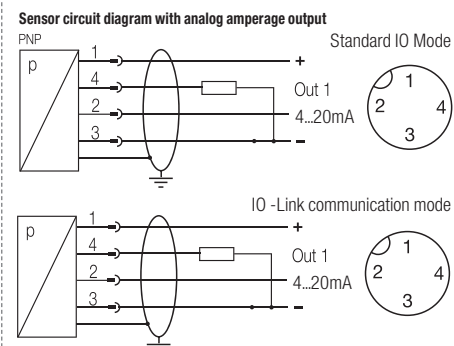
code	Pressure Gauge	Rupture Plug	Easy Manifold
39CP20A with 59CD01A	bar/psi	✓	✗
39CP21A with 59CR01A	bar/psi	✓	✗



Technical data	
Electrical connector type	M12x1 - Male (4-pin)
Pressure connection	G 1/4" DIN 3852
Nominal pressure	0 - 600 bar
Burst pressure	1000 bar
Operating voltage U _o	18...36 V DC
Output current max.	500 mA
No-load supply current I _o max	≤ 50 mA
Switching frequency f	200 Hz
Temperature range	- 25°C... + 85°C
Degree of protection as per IEC 60529	IP67 when connected
Output: digital data (switching points only)	2xPNP, NO/NC selection

Always depressurize and disconnect pressure sensors from the power supply before establishing an electrical connection.

Electrical connections	Standard IO mode	IO link mode	Wire connections color
Supply +	1	1	Brown
Supply -	3	3	Blue
IO - Link	-	4	White
Switching output 1	4	-	Black
4...20 mA	2	2	-
Shield	Connector housing	Connector housing	-



1	Valvola di scarico Discharging valve Auslassventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Manometro 0÷ 600 bar Pressure gauge 0÷ 600bar Manometer 0÷ 600 bar Manômetro 0÷ 600 bar Manómetro 0÷ 600 bar	3	Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobrepresión Plugue ruptura sobrepressão	5	Connettore elettrico Electrical connector Elektrische Connecteur électrique Eléctrica Conector Conector elétrico
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CONTROL PANEL CP07A / CP10A / CP12A



IT

Pannello di controllo con base in alluminio provvisto di manometro, valvola di carica-mento e scaricamento, tappo di rottura sovrappressione, protezione in acciaio, 3 uscite da 1/4" gas e un uscita da 1/8" gas per gestione sistemi collegati.

EN

Control panel with aluminium base, equipped with gauge, charging and discharging valve, over pressure rupture plug, steel protection and three 1/4" and one 1/8" gas outlets for hose system managing.

DE

Kontrollarmatur mit Aluminiumsockel, Manometer, auffüll- und Ablassventil, Überdruck Bruch Stecker, Stahlabdeckung, drei 1/4" und eine 1/8" Gas Anschlüsse zur Steuerung der Verbundsysteme.

FR


Panneau de contrôle avec base en aluminium, pourvu de manomètre, valve de chargement-déchargement, bouchon de rupture de surpression, protection en acier et trois sorties 1/4 gaz et une sortie 1/8 gaz pour la gestion des systèmes connectés.

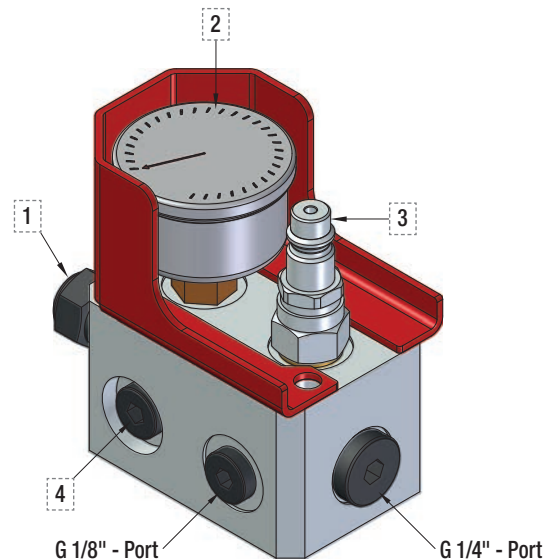
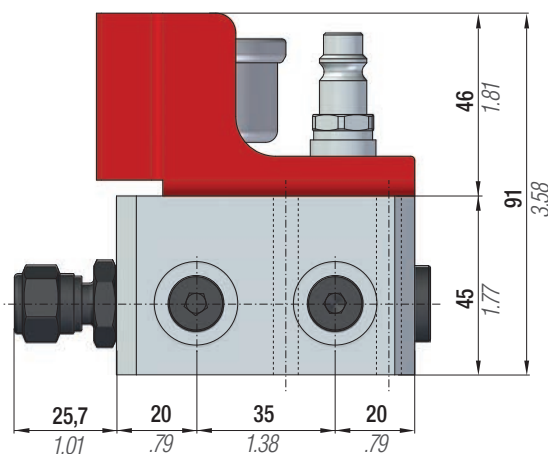
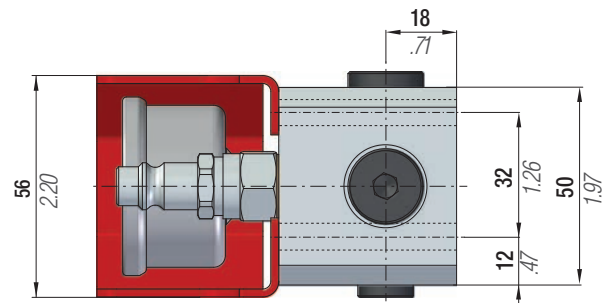
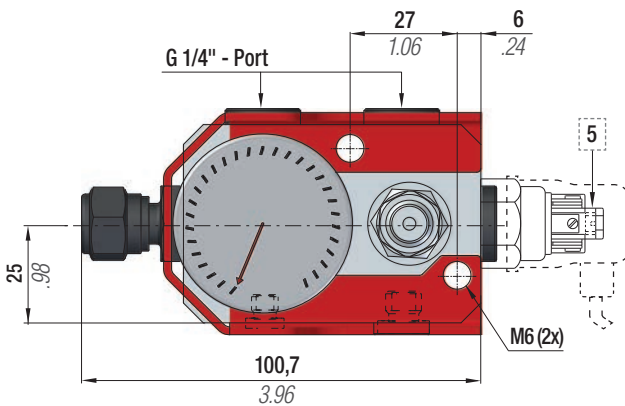
ES

Panel de control con base de aluminio provisto de manómetro, válvula de carga y descarga, enchufe de la ruptura de sobrepresión, protección en acero, 3 salidas de 1/4" gas y 1 salida de 1/8" gas para gestión de sistemas conectados.

PT

Painel de controlo com base de alumínio, equipado com manómetro, válvula de carga e descarga, plugue ruptura sobrepresão, sistema de protecção de aço, três tomadas de 1/4" e uma 1/8" gas para ligação a mangueiras.

code	Pressure Gauge	Pressure Switch	Rupture Plug	Easy Manifold  p.241
39CP07A	bar/psi	X	✓	✓
39CP10A	bar/psi	✓	✓	✓
39CP12A	bar/psi	X	X	✓



1	Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Manometro 0÷ 600 bar Pressure gauge 0÷ 600bar Manometer 0÷ 600 bar Manomètre 0÷ 600 bar Manómetro 0÷ 600 bar Manómetro 0÷ 600 bar	3	Innesto rapido di carica-mento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobrepresión Plugue ruptura sobrepresão	5	Pressostato 50÷300 bar Pressure switch 50÷300 bar Druckwächter 50÷300 bar Pressostat 50÷300 bar Presostato 50÷300 bar Pressostato 50÷300 bar
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IT

Pannello di controllo a standard Daimler. Base in alluminio provvisto di manometro, valvola di caricamento e scaricamento, pressostato e protezione in acciaio. 3 uscite 7/16-20UNF per gestione sistemi collegati. Può essere equipaggiato con tappo di rottura sovrappressione.

EN

Control panel according to Daimler standard. Made of aluminium base. Equipped with pressure gauge, charging and discharging valve, pressure switch and steel protection. Three 7/16-20UNF gas outlets for managing hose system. It can be equipped with over pressure rupture plug.

DE

Kontrollarmatur nach Daimler-Norm. Aufgebaut auf Aluminiumsockel. Manometer, Auffüll- und Ablassventil, Druckwächter und Stahlabdeckung. Drei 7/16-20UNF Gas-Anschlüsse zur Steuerung der Verbundsysteme. Es kann mit Überdruck Bruch Stecker ausgestattet werden.

FR


Panneau de contrôle selon le standard Daimler. Avec base en aluminium, manomètre, valve de chargement-déchargement, pressostat et protection en acier. Trois sorties 7/16-20UNF gaz pour la gestion des systèmes connectés. Il peut être équipé avec bouchon de rupture de surpression.

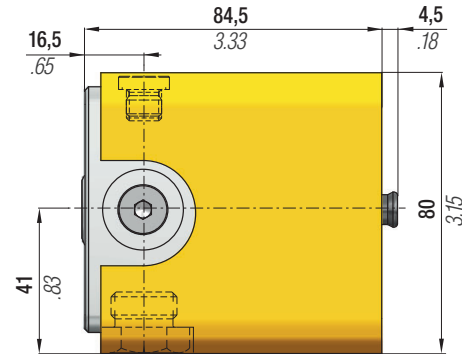
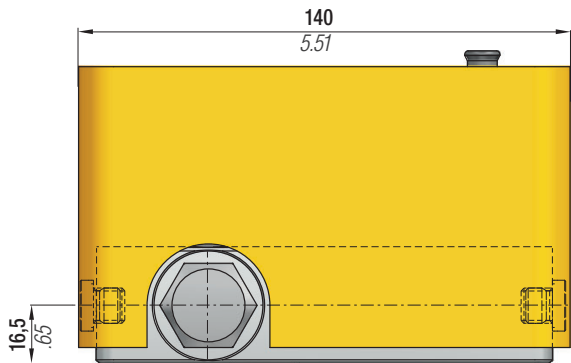
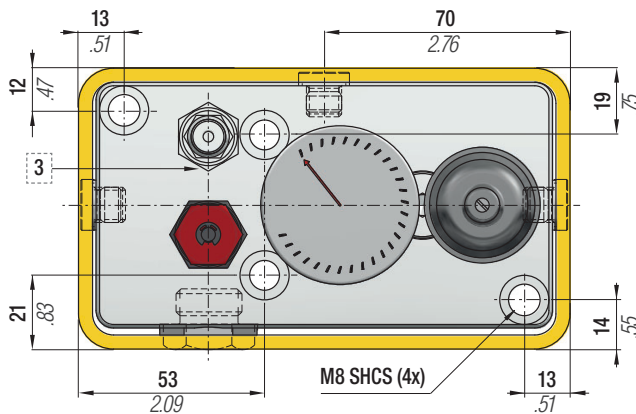
ES

Panel de control según standard Daimler. Con base de aluminio, manómetro, válvula de carga y descarga, presostato y protección en acero. 3 salidas de 7/16-20UNF gas para gestión de sistemas conectados. Puede equiparse con enchufe de la ruptura de sobre presión.

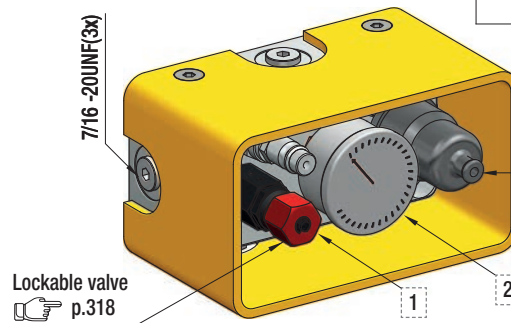
PT

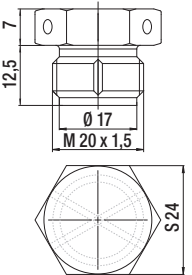

Painel de controlo de acordo com o Standard Daimler. Fabricado a partir de uma base de alumínio. Equipado com manómetro, válvula de carga e descarga, pressostato e sistema de protecção de aço. Três saída de gás 7/16-20UNF para ligação a mangueiras. Pode ser equipado com plugue ruptura sobrepressão.

code	Pressure Gauge	Pressure Switch	Rupture Plug	Easy Manifold  p.241
39CP14A	bar/psi	✓	✗	✓
39CP14A + 39DR004	bar/psi	✓	✓	✓
39CP14A + 39TS460	bar/psi	✓	✓	✓



code 39TS460	5.2 - option
code 39DR004	5.1 - option
standard	5

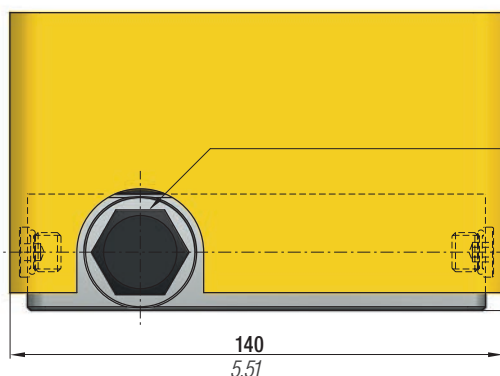
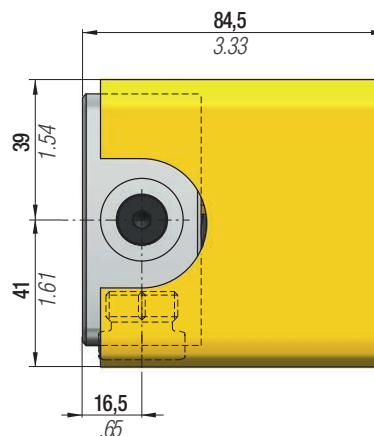
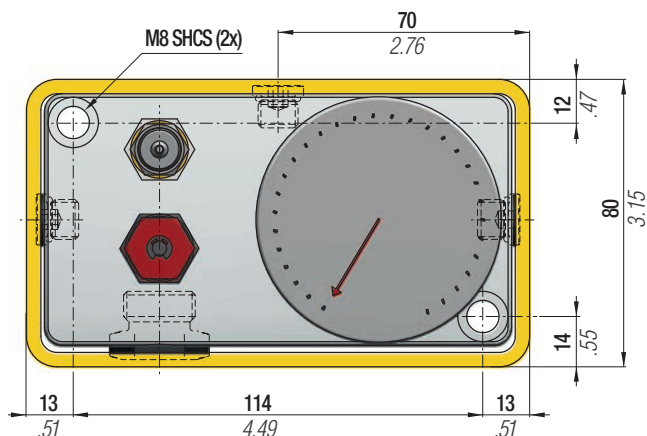


1 Valvola di scarico Discharging valve Auslaßventil Valve de déchargemen Válvula de desahogo Válvula de descarga	2 Manometro 0÷ 620 bar Pressure gauge 0÷ 620 bar Manomèter 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar	3 Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4 Pressostato 50÷300 bar Pressure switch 50÷300 bar Druckwächter 50÷300 bar Pressostat 50÷300 bar Presostato 50÷300 bar Pressostato 50÷300 bar	code: 39TS460
5 Tappo di chiusura M20 Closing plug M20 Verschlussstopfen M20 Bouchon de fermeture M20 Tapon de cierre M20 Plugue de fechamento M20	5.1 Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de ruptura de sobre presión Plugue ruptura sobrepressão	5.2 Tappo di sicurezza sovrappressione CE Overpressure safety plug CE Überdruck Sicherheitsstecker CE Bouchon de sécurité surpression CE Enchufe de seguridad sobre presión CE Bujão de segurança sobrepressão CE		

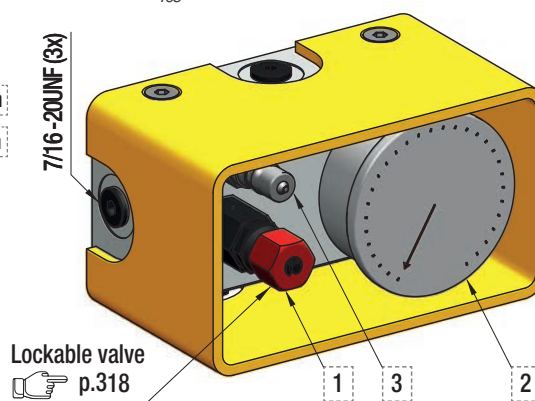
CONTROL PANEL CPVD (Fiat standard)



code	Pressure Gauge	Rupture Plug	Easy Manifold
39CPVD	bar/psi	✗	✗
39CPVD + 39DR004	bar/psi	✓	✗
39CPVD + 39TS460	bar/psi	✓	✗

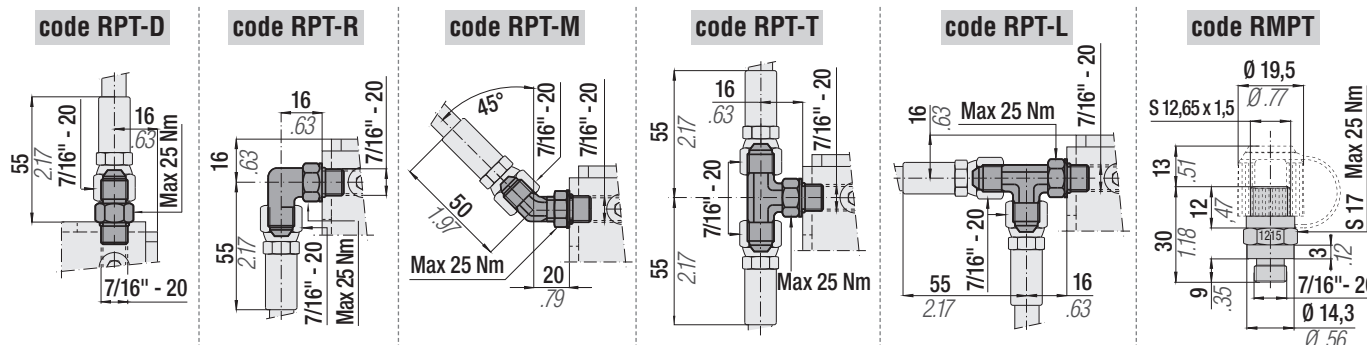


code 39TS460 4.2 - option
code 39DR004 4.1 - option
standard 4



<p>1</p> <p>Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga</p>	<p>2</p> <p>Manometro 0÷ 620 bar Pressure gauge 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar</p>	<p>3</p> <p>Innesto rapido per caricamento ISO7241-1 Series B Quick coupling for charging ISO7241-1 Series B Steckkegel ISO7241-1 Series B Accouplement rapide mâle ISO7241-1 Series B Acoplamiento rápido para carga ISO7241-1 Series B União rápida para carregamento ISO7241-1 Series B</p>	<p>code: 39TS460</p>
<p>4</p> <p>Tappo di chiusura M20 Closing plug M20 Verschlussstopfen M20 Bouchon de fermeture M20 Tapon de cierre M20 Plugue de fechamento M20</p>	<p>4.1</p> <p>Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de ruptura de sobrepresión Plugue ruptura sobrepresão</p>	<p>4.2</p> <p>Tappo di sicurezza sovrappressione CE Overpressure safety plug CE Überdruck Sicherheitsstecker CE Bouchon de sécurité surpression CE Enchufe de seguridad sobrepresion CE Bujão de segurança sobrepresão CE</p>	

CONTROL PANEL CPVD (FIAT standard) - Hose connections



IT

Pannello di controllo con base in alluminio, provvisto di manometro, valvola di carica e protezione in acciaio. 2 uscite da 1/8" gas per gestione sistemi collegati.

EN

Control panel with aluminum base. Equipped with pressure gauge, charging valve and steel protection. Two 1/8" gas outlets for managing hose system.

DE

Kontrollarmatur mit Aluminiumsockel. Ausgestattet mit Manometer, Auffüllventil und Stahlabdeckung. Zwei 1/8" Gas Anschlüsse zur Steuerung der Verbundsysteme.

FR

Panneau de contrôle avec base en aluminium. Equipé de manomètre, valve de chargement et protection en acier. Deux sorties 1/8" gaz pour la gestion des systèmes connectés.

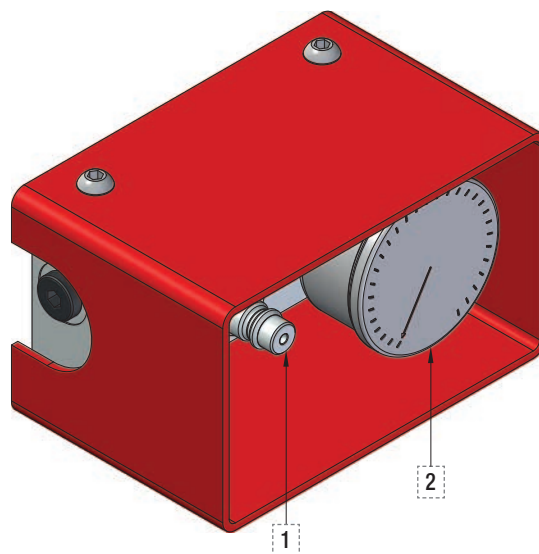
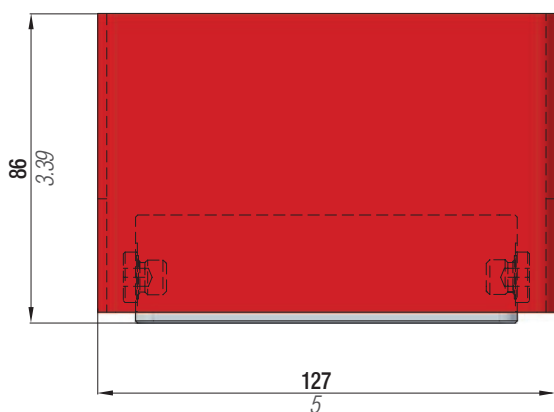
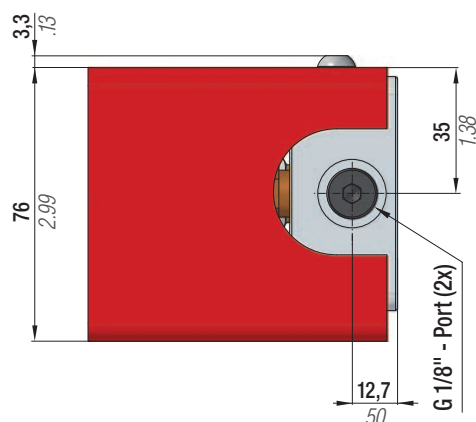
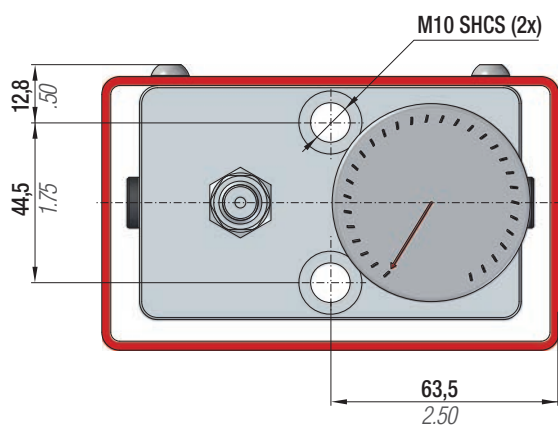
ES

Panel de control con base de aluminio. Equipado con manómetro, válvula de carga y protección en acero. 2 salidas de 1/8" gas para gestión de sistemas conectados.

PT

Painel de controlo com base de alumínio. Equipado com manómetro, válvula de carga e sistema de protecção de aço. Duas saídas de gás 1/8" para ligação a mangueiras.

code	Pressure Gauge	Rupture Plug	Easy Manifold
39CP15A	bar/MPa	✗	✗



1 Innesto rapido di caricamento Cejn
Quick coupling for charging Cejn
Steckkegel Cejn
Accoplament rapido mǎle Cejn
Acoplamiento rápido para carga Cejn
União rápida para carregamento Cejn

2 Manometro 0÷ 620 bar
Pressure gauge 0÷ 620 bar
Manometer 0÷ 620 bar
Manomètre 0÷ 620 bar
Manómetro 0÷ 620 bar
Manómetro 0÷ 620 bar

code 39VS03A



⚠ Use only for 39CP15A

IT Dispositivo di scaricamento

EN Discharging device

DE Ablassvorrichtung

FR Dispositif de déchargement

ES Dispositivo de descarga

PT Dispositivo de descarga



CONTROL PANEL CP16A



IT

Pannello di controllo con base in alluminio, provvisto di manometro, valvola di caricamento e scaricamento, tappo di rottura sovrappressione, protezione in acciaio, 3 uscite da 1/8" gas per gestione sistemi collegati.

EN

Control panel with aluminum base. Equipped with pressure gauge, charging and discharging valve, over pressure rupture plug, steel protection, three 1/8" gas outlets for managing hose system.

DE

Kontrollarmatur mit Aluminiumsockel. Ausgestattet mit Manometer, Auffüll- und Ablassventil, Überdruck Bruch Stecker, Stahlabdeckung, drei 1/8" Gas Anschlüsse zur Steuerung der Verbundsysteme.

FR

Panneau de contrôle avec base en aluminium. Equipé de manomètre, valve de chargement-déchargement, bouchon de rupture de surpression, protection en acier, trois sorties 1/8" gaz pour la gestion des systèmes connectés.

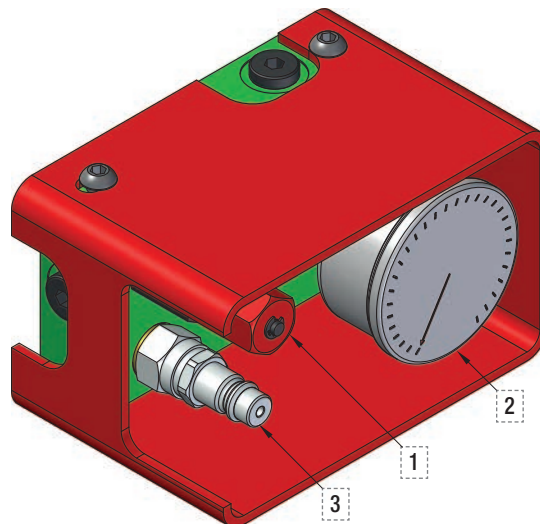
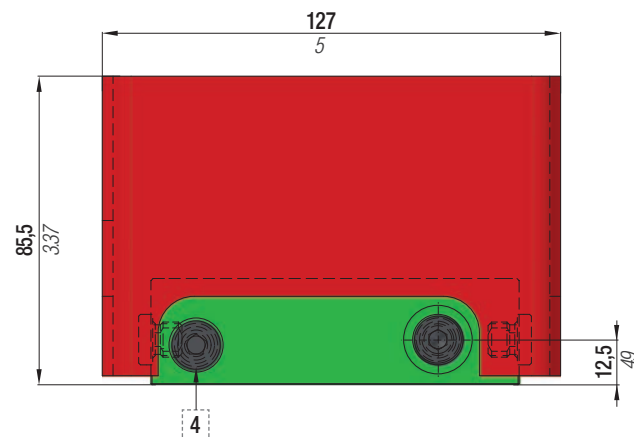
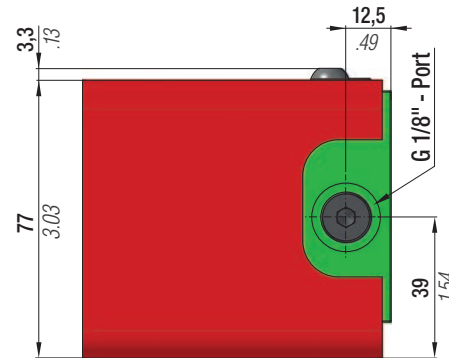
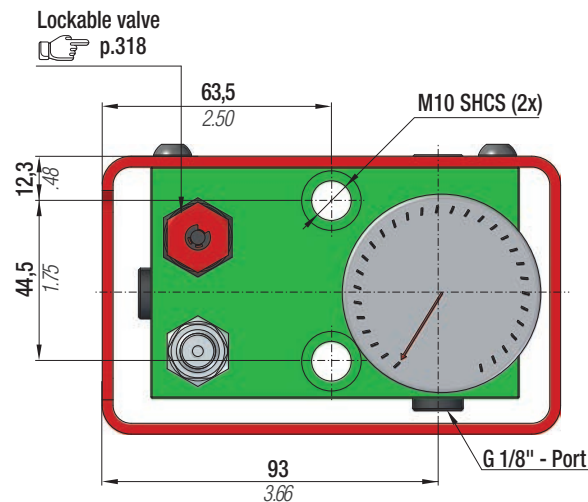
ES

Panel de control con base de aluminio. Equipado con manómetro, válvula de carga y descarga, enchufe de la ruptura de sobrepresión, protección en acero, 3 salidas de 1/8" gas para gestión de sistemas conectados.

PT

Painel de controlo com base de alumínio. Equipado com manómetro, válvula de carga e descarga, plugue ruptura sobrepresão, sistema de protecção de aço, três saídas de gás 1/8" para ligação a mangueiras.

code	Pressure Gauge	Rupture Plug	Easy Manifold
39CP16A	bar/psi	✓	✗



1	Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Manometro 0÷ 620 bar Pressure gauge 0÷620 bar Manometer 0÷ 620 bar Manomètre 0÷ 620 bar Manómetro 0÷ 620 bar Manómetro 0÷ 620 bar	3	Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de la ruptura de sobrepresión Plugue ruptura sobrepresão
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IT
Pannello di controllo con base in alluminio provvisto di sensore di pressione con display digitale, innesto rapido di caricamento Cejn, tappo di rottura sovrappressione, 3 uscite da 1/8" gas. Collegando il pannello al controllo pressa, è possibile impostare un range di lavoro desiderato al di fuori del quale il dispositivo invierà un segnale di allarme.

EN
Control panel with aluminium base, equipped with pressure sensor and digital display, Cejn-quick coupling for charging, overpressure rupture plug and three G 1/8" ports. By connecting the control panel to the press control, it is possible to set a desired working range outside which the unit sends an alarm signal.

DE
Kontrollarmatur mit Aluminiumgehäuse mit Drucksensor und Digitalanzeige, Cejn-Schnellkupplung zur Befüllung, Überdruck-Berstsicherung und drei G1/8 Anschlussgewinden. Durch den Anschluss der Kontrollarmatur an die Pressensteuerung ist es möglich, einen gewünschten Arbeitsbereich einzustellen, außerhalb dessen das Gerät ein Alarmsignal sendet.

FR
Panneau de contrôle avec base en aluminium, équipé d'un capteur de pression et d'un affichage numérique, raccord rapide Cejn pour le chargement, bouchon de rupture pour surpression et trois ports G 1/8". En connectant le panneau de contrôle au système de contrôle de la presse, il est possible de définir une plage de fonctionnement souhaitée en dehors de laquelle l'unité envoie un signal d'alarme.

ES
Panel de control con base de aluminio equipado con sensor de presión con pantalla digital, conexión de carga rápida Cejn, tapón de rotura de sobre presión, 3 salidas G1/8". Conectando el panel al control de la prensa, es posible establecer un rango de trabajo deseado fuera del cual el dispositivo enviará una señal de alarma.

PT
Painel de controle com base em alumínio, fornecido com sensor de pressão e display digital, engate rápido de carregamento CEJN, bujão de ruptura para sobre pressão, 3 saídas G1/8". Conectando o painel ao comando da prensa, é possível determinar uma faixa de trabalho, que qualquer alteração desta faixa, o painel emitirá um alarme.

code	Pressure Gauge	Rupture Plug	Easy Manifold	Pressure fitting position			
				Pos. A	Pos. B	Pos. C	Pos. A + C
39CP17A_	bar/MPa	✓	✗	.1	.2	.3	.4

(Toyota part number D-PACPS-B-...)

Technical drawings of the control panel CP17A showing front, side, and top views with dimensions and component labels.

Cable length	90°	Straight	Female
2 meter	59CR02A1	59CD02A1	
5 meter	59CR03A1	59CD03A1	
10 meter	59CR04A1	59CD04A1	

Connector type M12x1 (5-pin) male – Reverse key (B-Code)

Ordering example:

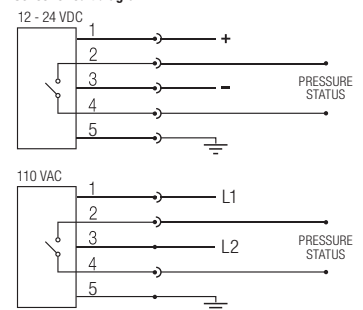
code	39CP17A.1	Fitting position
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Technical data	
Electrical connector type	M12x1 (5-pin) male Reverse key (B-Code)
Pressure connection	S12,65x1,5
Nominal pressure	0 - 350 bar
Temperature range	- 20°C... + 60°C
Degree of protection as per IEC 60529	IP65 when connected
Supply voltage	12...24 V DC 100...120 V AC 50...60Hz
Max Output relay current (2-4 wire)	2A 1A
Max current	230mA

! Always depressurize and disconnect control panel from the power supply before establishing an electrical connection.

Electrical connections	12...24 V DC	100...120 V AC 50...60Hz	Wire connections color
1	+	1	Brown
3	-	3	Blue
2	Output relay - Normally Open		White
4			Black
5	Ground		Green / Yellow

Sensor circuit diagram



1	Manometro 0÷ 600 bar Pressure gauge 0÷ 600 bar Manometer 0÷ 600 bar Manomètre 0÷ 600 bar Manómetro 0÷ 600 bar Manómetro 0÷ 620 bar	2	Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	3	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de ruptura de sobre presión Plugue ruptura sobrepressão	4	Connettore elettrico Electrical connector Elektrische Connecteur électrique Eléctrica Conector Conector elétrico
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CONTROL PANEL CP23A



IT

Pannello di controllo con base in alluminio provvisto di sensore di pressione EYE, valvola di caricamento e scaricamento, tappo di rottura sovrappressione, protezione in acciaio, innesto rapido di caricamento Cejn e 3 uscite da 1/8" gas per gestione sistemi collegati.

EN

Control panel with aluminium base, equipped with pressure sensor EYE, charging and discharging valve, overpressure rupture plug, steel protective cover, Cejn-quick coupling for charging and three G 1/8" ports for managing systems.

DE

Kontrollarmatur mit Aluminiumgehäuse mit Drucksensor EYE, Befüll- und Ablassventil, Überdruck-Berstsicherung, Schutzabdeckung aus Stahl, Cejn-Schnellkupplung zur Befüllung, und drei G1/8" Anschlussgewinden zur Steuerung von Verbundsystemen.

FR

Panneau de contrôle avec base en aluminium, équipé du capteur de pression EYE, valve de chargement-déchargement, bouchon de rupture pour surpression, couverture en acier, raccord rapide Cejn pour le chargement et trois ports G 1/8" pour la gestion des systèmes connectés.

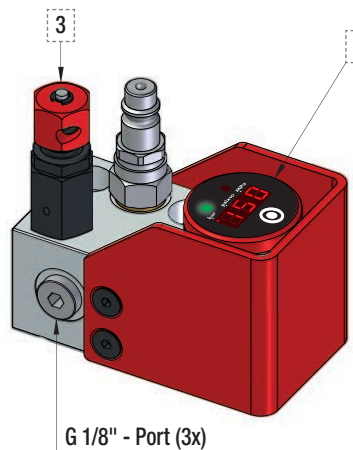
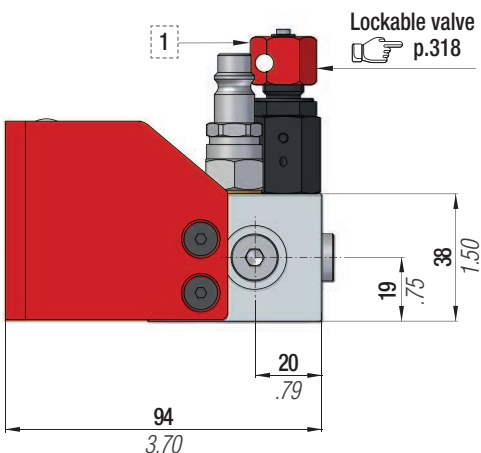
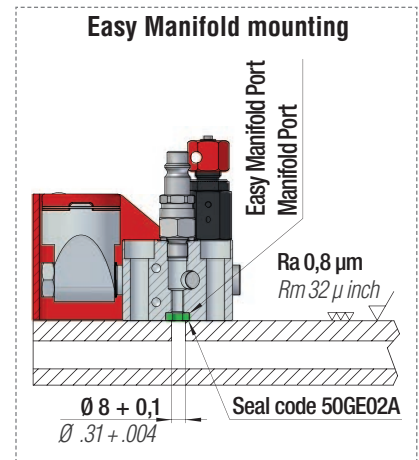
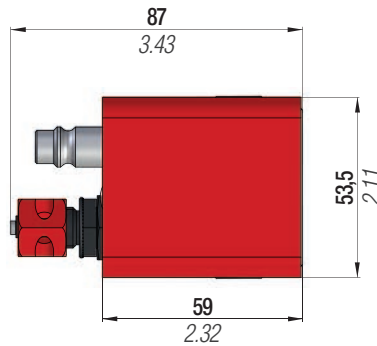
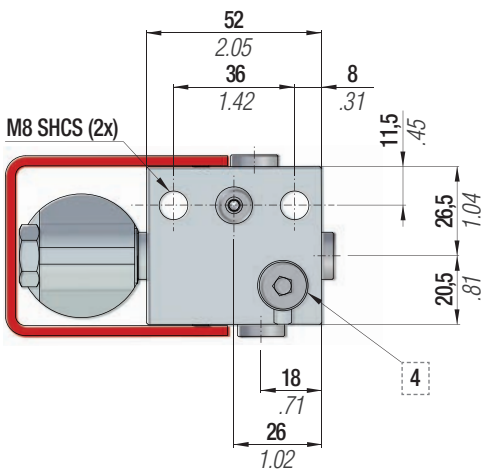
ES

Panel de control con base de aluminio equipado con sensor de presión EYE, válvula de carga y descarga, tapón de rotura de sobrepresión, protección de acero, acoplamiento rápido Cejn y 3 salidas G1/8" para gestión de sistemas conectados.

PT

Painel de controle com base em alumínio, fornecido com o sensor de pressão EYE, válvula de carregamento e descarregamento, bujão de ruptura para sobrepressão, cobertura protetora em aço, engate rápido de carregamento CEJN e 3 saídas G1/8" para a gestão de sistemas de mangueiras.

code	Pressure Gauge	Rupture Plug	Easy Manifold
39CP23A	bar/psi/MPa	✓	✓



EYE pressure sensor
p.332

Technical data	
Measuring range	0 ÷ 600 bar / 8700 psi / 60 MPa
Visualization	3 digit display + 2 led
Resolution	1 bar, 10 psi, 1 MPa
Measurement unit	bar, psix10, MPa
Accuracy	±1,0% f.s., ±1 digit whichever is greater
Working temperature	0 ÷ 80°C / 176°F
Compatible fluids	Nitrogen
Battery	Maxell CR2032-3V, 220mAh
Material	Stainless steel/Aluminum alloy
Connection	G1/8"
Alarms	Low pressure (adjustable), High pressure (fixed), Sensor malfunction, Low battery
Battery lifetime	> 2000 readings
Degree of protection	IP65 when connected

1	Valvola di scarico Discharging valve Auslaßventil Valve de déchargement Válvula de desahogo Válvula de descarga	2	Sensore di pressione EYE EYE Pressure Sensor Drucksensor EYE Capteur de pression EYE Sensor de presión EYE Sensor de pressão EYE	3	Innesto rapido di caricamento Cejn Quick coupling for charging Cejn Steckkegel Cejn Accouplement rapide mâle Cejn Acoplamiento rápido para carga Cejn União rápida para carregamento Cejn	4	Tappo di rottura sovrappressione Over pressure rupture plug Überdruck Bruch Stecker Bouchon de rupture de surpression Enchufe de ruptura de sobrepresión Plugue ruptura sobrepressão
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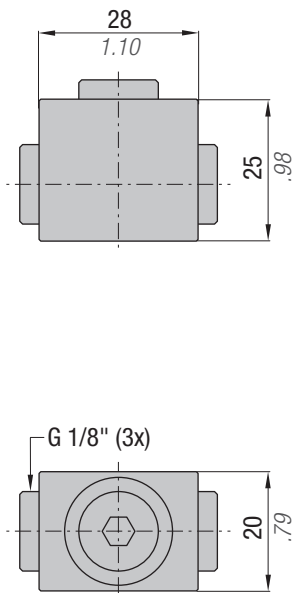
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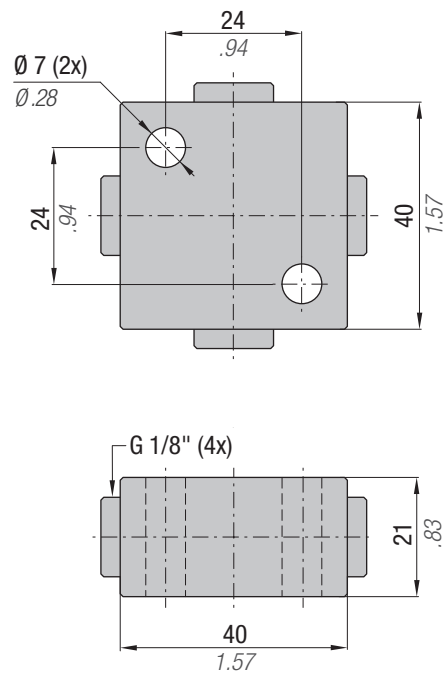
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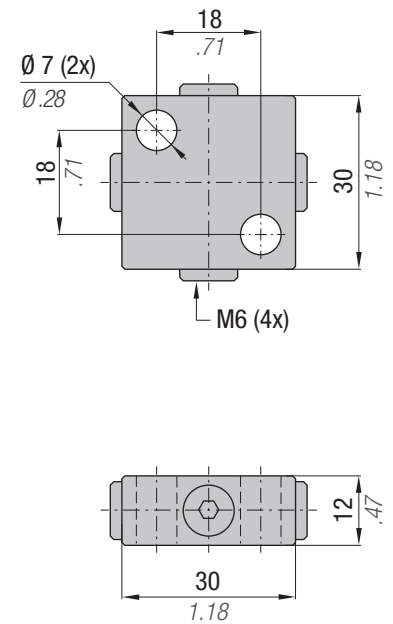
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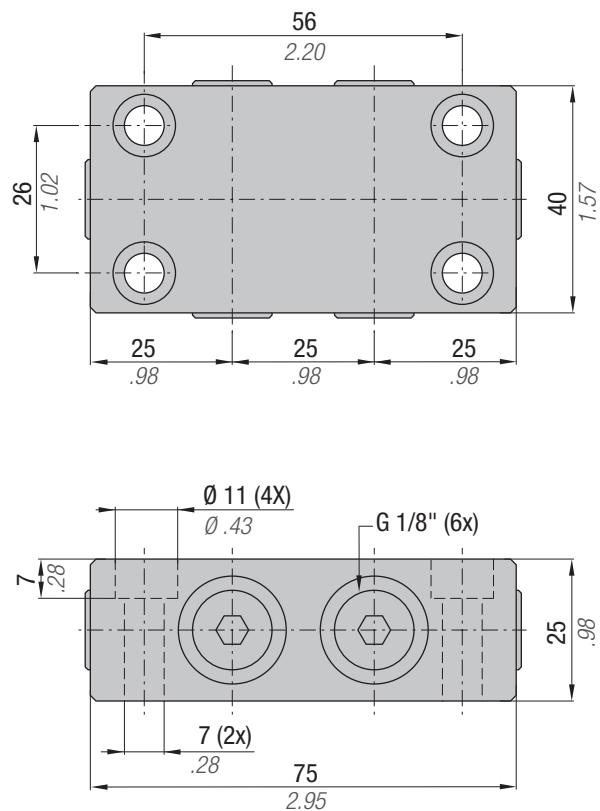
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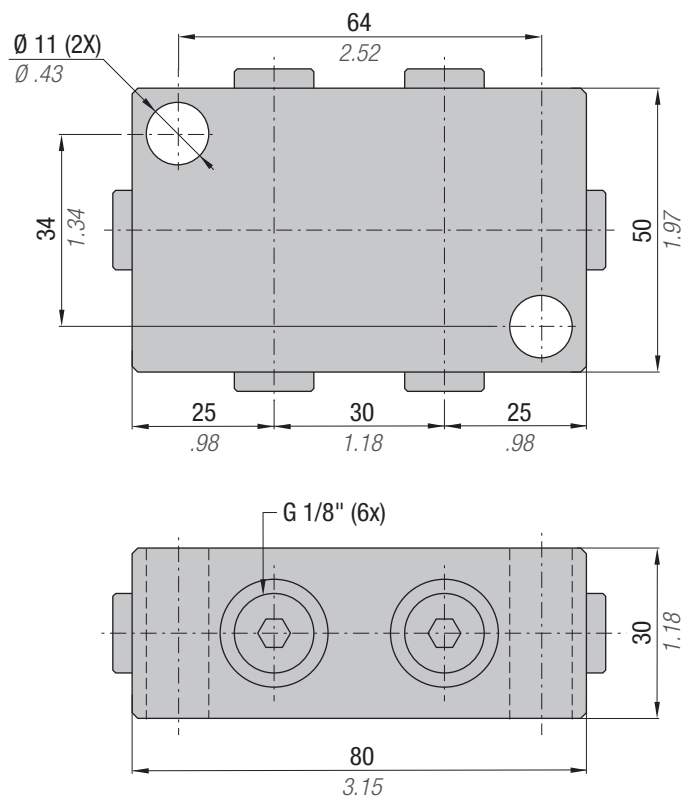
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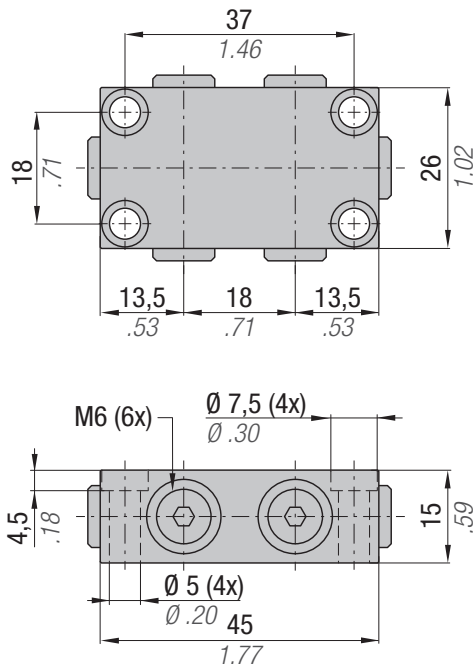
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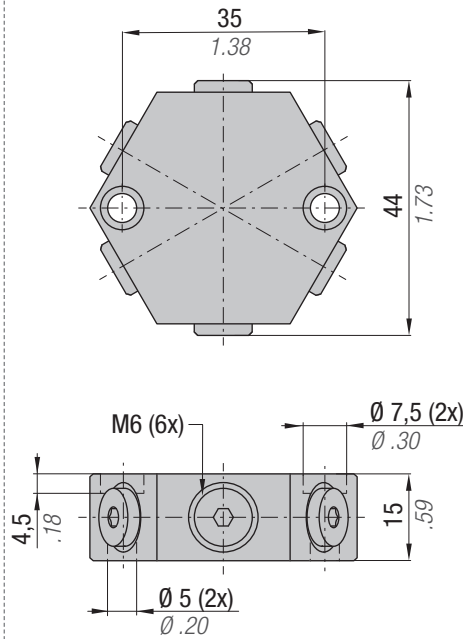
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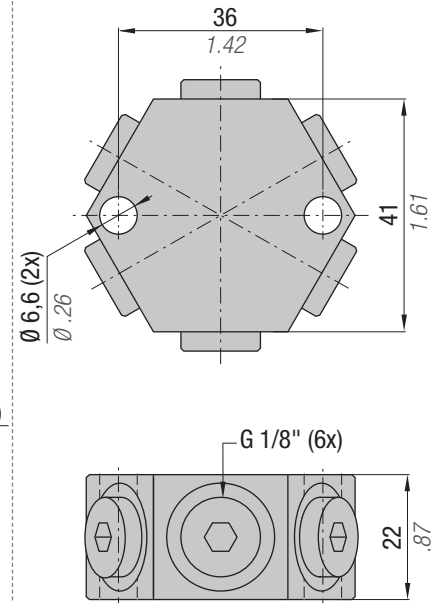
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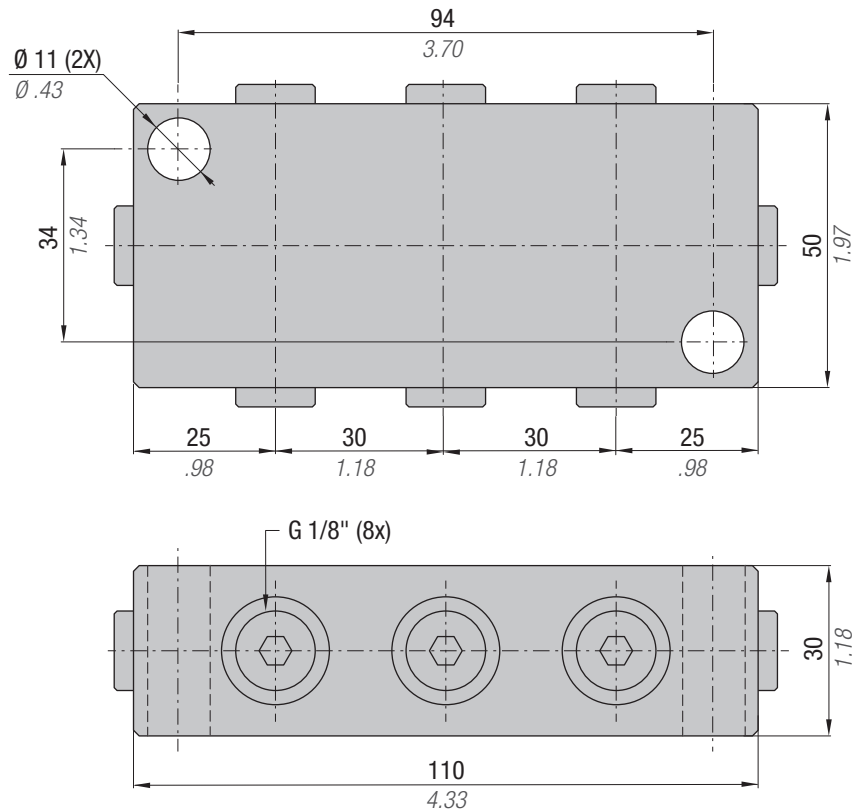
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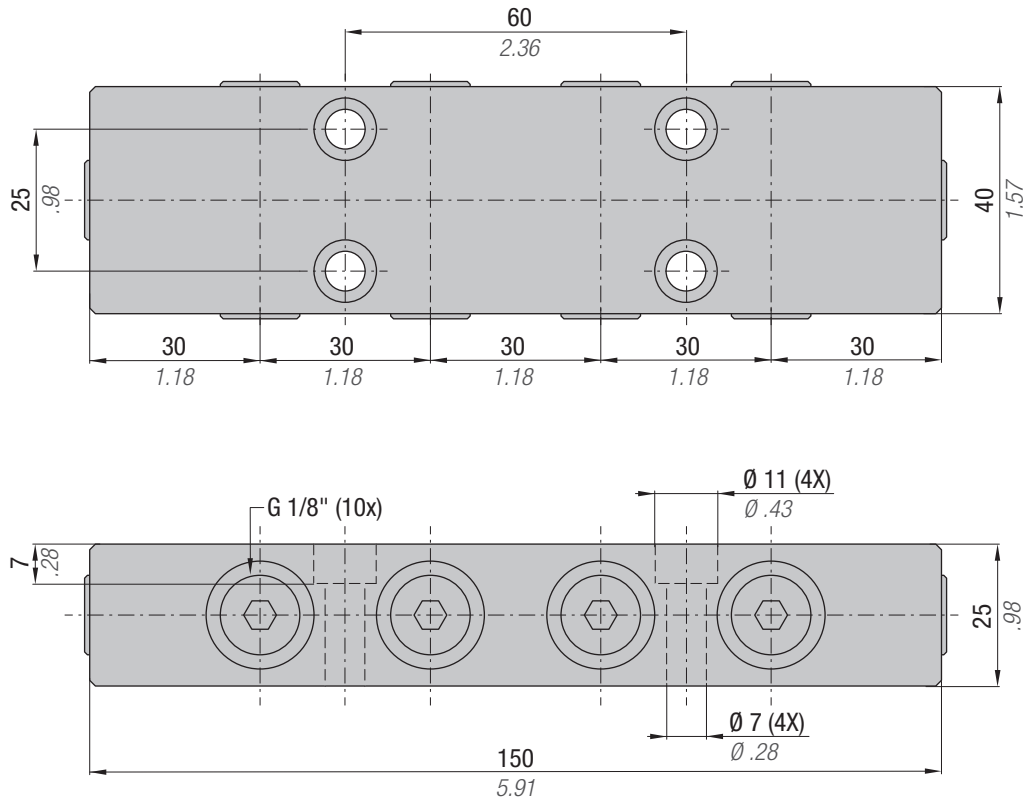
All dimensions in mm/inch



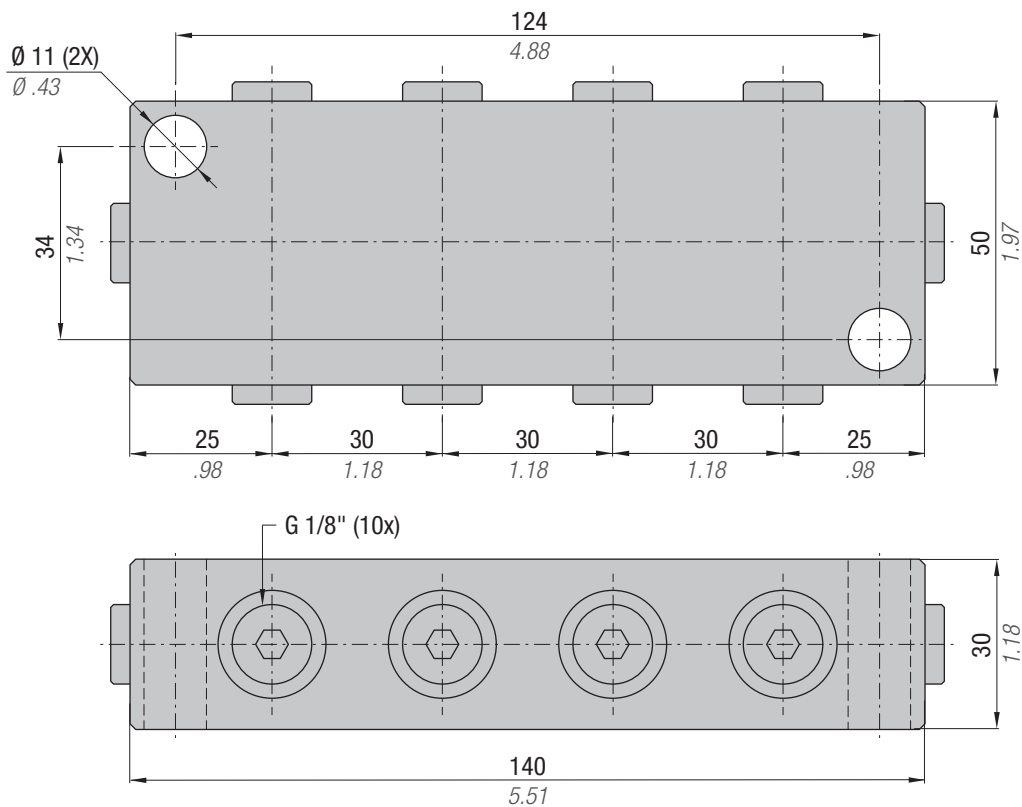
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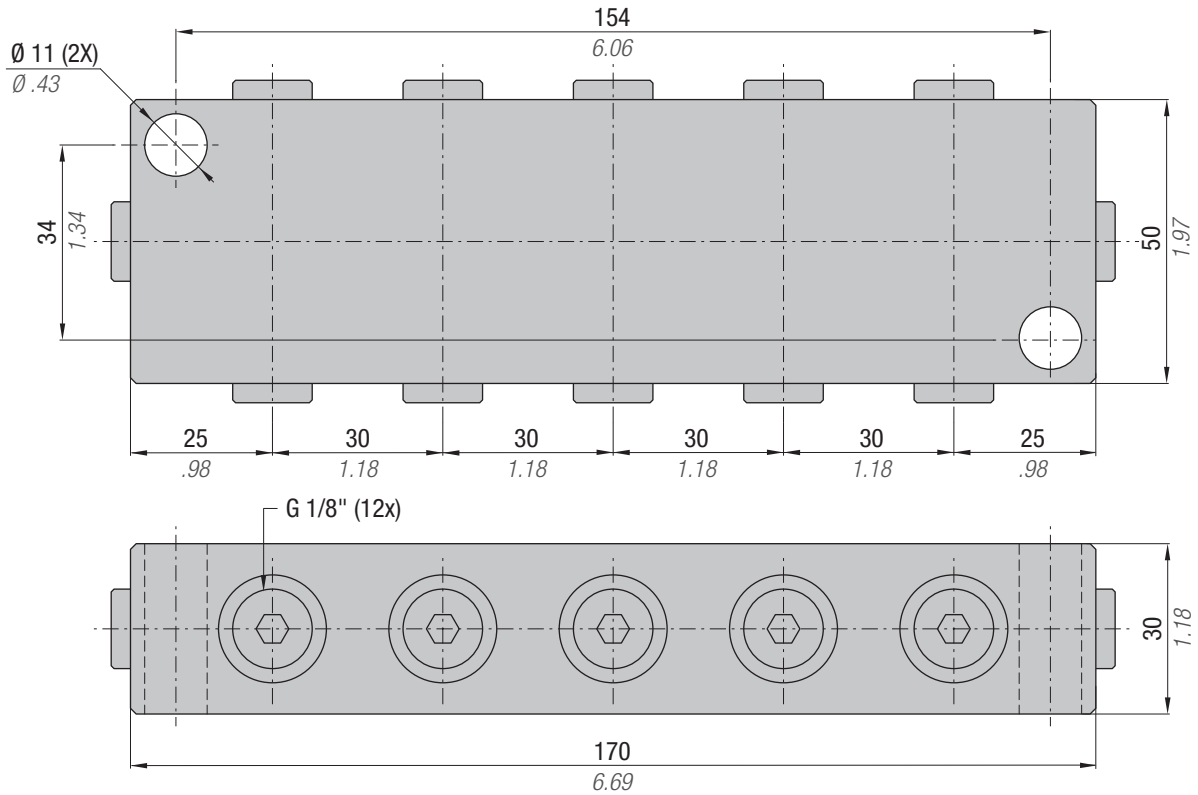
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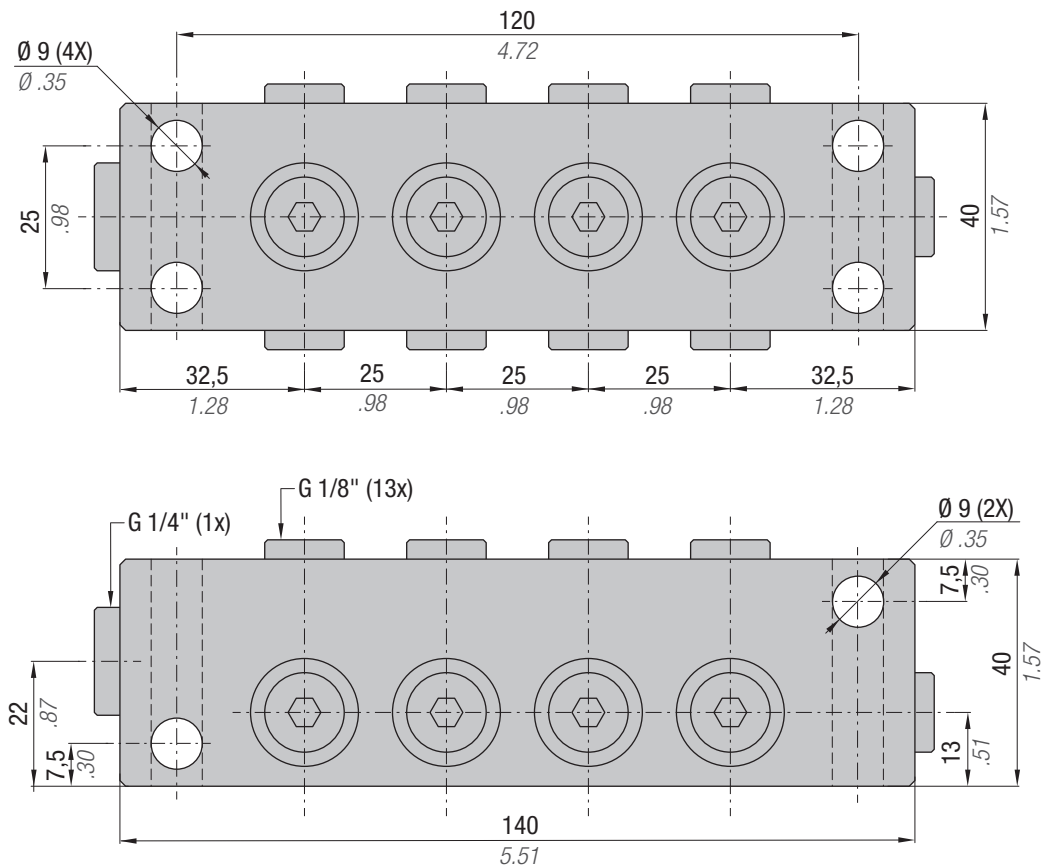
code 39BD1001A



code 39BD1201A



code 39BD1401A



All dimensions in mm/inch

