



BLUE-MASTER[®]
by *CE/ESA*

The logo for Blue-Master by CE/ESA, featuring the brand name in a bold, sans-serif font with a registered trademark symbol, and the manufacturer's name in a smaller, italicized font below it.

REPARACIÓN
DE ROSCAS

The text "REPARACIÓN DE ROSCAS" is written in a large, thin, outlined font, centered at the bottom of the page.



Fabricados en acero inoxidable al cromo níquel de alta calidad (AISI 304), los insertos para reparación de roscas Power Coil proporcionan una alta resistencia a la temperatura y a la corrosión. Su diseño único asegura roscas de superior calidad cuyo comportamiento no puede ser igualado por ningún otro método de seguridad. Se encuentran disponibles en dos presentaciones básicas, standard y autoblocante o de seguridad, son mucho más ligeros y menos costosos que cualquier otro tipo de inserto equivalente y dado su tamaño compacto pueden generalmente incorporarse a diseños existentes en donde no sea necesaria ningún tipo de reparación.

Insertos Standard

Fabricados a partir de un alambre de acero inoxidable austenítico, y perfilados de forma precisa en forma de espiral helicoidal, los insertos standard Power Coil tienen forma de muelle. Cuando se instalan utilizando cualquiera de las herramientas, ya sean manuales o automáticas, proporcionan roscas internas resistentes y permanentes que soportan el calor y la corrosión. Una vez instalados su posición se mantiene por la acción de presión radial entre los filetes y las ranuras del agujero roscado. Esta presión existe porque su diámetro libre es ligeramente superior al instalado en una pequeña proporción previamente calculada.

Insertos Autoblocantes (Seguridad)

El inserto autoblocante está especialmente indicado en aplicaciones sujetas a vibración cíclica o impactos. Además de las ventajas proporcionadas por los insertos standard, los insertos autoblocantes (de seguridad) Power Coil ofrecen una seguridad adicional por su auto freno interno que lo hace más efectivo. Esto se consigue gracias a la acción de una espira poligonal de la rosca del inserto posicionada a lo largo del mismo, que ejerce presión radial sobre los hilos del tornillo. En la medida en que la rosca pasa a través de estos hilos de seguridad, los dispositivos se expanden aplicando gradualmente presión radial o freno efectivo en la rosca del tornillo. Al retirar el tornillo roscado, los hilos de seguridad relajan su expansión a su forma original permitiendo repetir el roscado del tornillo y manteniendo su nivel de presión radial de seguridad.

Características y Beneficios

Durante muchos años, los insertos helicoidales han sido subestimados. El concepto popular de ser diseñados para reparar roscas dañadas ha dado a este sistema único, esta falsa imagen.

Son mucho más ligeros y menos costosos que cualquier otro tipo equivalente de inserto de rosca, y por su tamaño compacto, pueden generalmente introducirse en diseños preexistentes en donde no se requiera una reparación adicional. Además de otros beneficios económicos, su utilización incrementa la calidad y rendimiento mientras reduce el costo total del producto. Su utilización es efectiva al utilizar materiales más delgados o más ligeros sin sacrificar la resistencia de la rosca.

Los insertos protegen las roscas originales contra posibles fallos de pérdida de hilos, pérdida de medida, corrosión o desgaste. Los insertos Power Coil están fabricados con cable de acero inoxidable austenítico, que le permite trabajar con una fuerza a la tensión de 200,000 psi y una dureza de RC 43-50. Los insertos tienen un acabado superficial tan fino que prácticamente elimina la fricción que induce al posible desgaste.

Resistencia

Debido a su flexibilidad, los insertos conforman roscas internas que cuentan con una mucho mejor distribución de carga residuales comparados con agujeros roscados convencionales, en donde un porcentaje superior al 70% de las fuerzas cortantes son llevadas a cabo por los tres primeros hilos en el agujero roscado. La flexibilidad de los insertos ayudan a compensar los errores del paso y del ángulo de flancos inherentes a los agujeros normales roscados, y mejora significativamente la capacidad de carga por deflexión de fuerzas residuales dentro de la rosca en donde la presión se dispersa hacia las paredes del agujero roscado. Esto hace que el diseño sea muy fiable y de gran resistencia utilizando roscas más pequeñas y más cortas aun cuando los insertos sean usados en materiales menos resistentes.

Los insertos Power Coil de alta flexibilidad reducen su diámetro durante la instalación. La fuerza del inserto al expandirse en el agujero asegura el inserto en su lugar correcto. Cada filete puede flexionarse independientemente para ponerse en contacto con la mayor cantidad de material de la superficie de la rosca.

Normas de referencia

SBAC AS 6734 & 8456

Norma de la Sociedad Británica de Compañías Aeroespaciales. Referida específicamente a los insertos libres Rosca UNC, requisito obligatorio exigido por la Sociedad. En realidad, muy similar al Standard Militar.

SBAC AS 6733 & 8455

Mismo requisito que el anterior extensivo a todos los insertos libres con carácter general.

BS

Standard Británico para Insertos de diámetro reducido. Es la norma generalizada para todos los fabricantes de insertos, equivalente a DIN8140.

NASM3279, 3280 & 3281

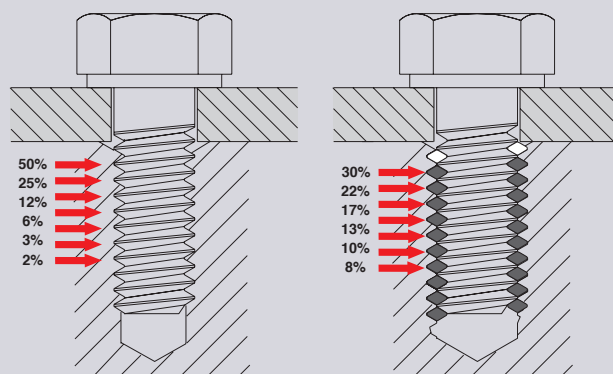
Standard militar para insertos libres. Los Insertos según Standard militar son mayores en diámetro en estado libre que los insertos comunes, por lo que son más difíciles de instalar, y de extraer. CELESA puede suministrar y certificar este tipo de insertos bajo demanda. La norma alemana DIN8140 para insertos de uso general tiene similares tolerancias que los Insertos de según Standard militar.

LN9499

Standard aeroespacial alemán. En desuso, aunque CELESA puede suministrar y certificar este tipo de insertos bajo demanda.

DIN8140

Los insertos Powercoil distribuidos por CELESA cumplen con los requisitos recogidos en la Norma DIN8140





INSERTOS ROSCADOS

Código **35** **20** - **12.00** X **1.5D**

35 PowerCoil en acero inoxidable
36 Loksert en acero al carbono
37 Loksert en acero inoxidable

DIÁMETRO
XX . XX Métrica
XX / XX Pulgadas

20 Métrica	32 UNC
21 Métrica fina	34 UNF
22 Bujía	44 BA
23 Métrica fina	46 BSP
24 Métrica fina	52 NPT
28 BSW	60 BSB
30 BSF	70 8-UN
00 Multifuncional	

X.XD Longitud del inserto	INC Inconel X-750
IR Carrete de alimentación de insertos	NM Nimonic 90
SL Insertos autoblocantes (de seguridad)	NT Nitronic 60
K Estuche de reparación de roscas	Y Acero Inoxidable 316
P Blister de insertos para colgar	CD Terminado en cadmio
WK Estuche completo para taller	ZN Terminado de zinc
HIT Herramienta de instalación manual Series Cortas	AG Terminado de plata
HIP Herramienta de instalación Series Medianas	FL Lubricado en seco
MIT Herramienta para insertar a máquina	I Macho 4-5 hilos
HIM Herramienta para insertar con mango hexagonal	T Macho 6-8 hilos
MIP Herramienta de instalación neumática	B Macho 2-3 hilos
TB Herramienta rompedora de cola Manual	SF Macho de máquina helicoidal
STB Herramienta rompedora de cola Automática	SP Macho de máquina con entrada corregida
PTB Herramienta rompedora de cola Neumática	FT Macho laminación
RT Herramienta extractora de insertos	PD Loksert de pared delgada
LH Giro izquierda	PR Loksert de pared reforzada
GC Comprobador de roscas en tolerancia 4H5H	TT Herramienta instalación de Loksert de pared delgada
GM Comprobador de roscas en tolerancia 6H	HT Herramienta instalación de Loksert de pared reforzada
PB Bronce con fósforo	T Herramienta de instalación universal para Loksert

INSERTOS LIBRES

M
MF

FREE

M/MF

AISI 304

BS7752
DIN9140NASM3279 NASM3280
NASM3281 LN9039

...D



D	L	Ø	1.0D			1.5D			2.0D			Unit			
			L mm	<500	500-999	1000-...	L mm	<500	500-999	1000-...	L mm		<500	500-999	1000-...
M 2x0.40	3520-2.00	2.10	2.00	0,48	0,45	0,43	3.00	0,49	0,47	0,44	4.00	0,50	0,49	0,48	100
M 2.20x0.45	3520-2.20	2.30	2.20	0,48	0,45	0,43	3.30	0,49	0,47	0,44	4.40	0,50	0,49	0,48	100
M 2.50x0.45	3520-2.50	2.60	2.50	0,28	0,25	0,23	3.75	0,29	0,26	0,25	5.00	0,34	0,29	0,27	100
M 3x0.50	3520-3.00	3.20	3.00	0,28	0,25	0,24	4.50	0,29	0,26	0,25	6.00	0,34	0,27	0,26	100
M 3.50x0.60	3520-3.50	3.70	3.50	0,34	0,29	0,27	5.25	0,35	0,32	0,29	7.00	0,38	0,35	0,32	100
M 4x0.70	3520-4.00	4.20	4.00	0,27	0,23	0,22	6.00	0,28	0,25	0,24	8.00	0,34	0,27	0,26	100
M 5x0.80	3520-5.00	5.20	5.00	0,34	0,27	0,26	7.50	0,27	0,26	0,25	10.00	0,38	0,30	0,28	100
M 6x1.00	3520-6.00	6.30	6.00	0,35	0,28	0,26	9.00	0,28	0,26	0,25	12.00	0,42	0,38	0,36	100
M 7x1.00	3520-7.00	7.30	7.00	0,39	0,35	0,32	10.50	0,45	0,39	0,37	14.00	0,50	0,44	0,41	100
M 8x1.00	3521-8.00	8.30	8.00	0,40	0,38	0,36	12.00	0,42	0,40	0,36	16.00	0,53	0,45	0,42	100
M 8x1.25	3520-8.00	8.30	8.00	0,35	0,30	0,28	12.00	0,38	0,32	0,29	16.00	0,50	0,42	0,40	100
M 9x1.25	3520-9.00	9.40	9.00	0,50	0,45	0,43	13.50	0,64	0,60	0,54	18.00	0,67	0,61	0,56	100
M 10x1.00	3523-10.00	10.30	10.00	0,44	0,40	0,38	15.00	0,50	0,44	0,41	20.00	0,60	0,50	0,47	100
M 10x1.25	3521-10.00	10.30	10.00	0,44	0,39	0,37	15.00	0,50	0,44	0,41	20.00	0,60	0,54	0,49	100
M 10x1.50	3520-10.00	10.40	10.00	0,44	0,38	0,36	15.00	0,50	0,42	0,40	20.00	0,60	0,49	0,46	100
M 11x1.00	3523-11.00	11.30	11.00	0,60	0,51	0,48	16.50	0,88	0,80	0,74	22.00	1,22	1,09	1,02	100
M 11x1.25	3521-11.00	11.30	11.00	0,60	0,51	0,48	16.50	0,74	0,71	0,66	22.00	1,22	1,09	1,04	100
M 11x1.50	3520-11.00	11.40	11.00	0,76	0,62	0,58	16.50	0,86	0,72	0,67	22.00	0,89	0,80	0,74	100
M 12x1.00	3524-12.00	12.30	12.00	0,63	0,61	0,58	18.00	0,75	0,74	0,71	24.00	1,23	1,17	1,07	100
M 12x1.25	3523-12.00	12.30	12.00	0,63	0,53	0,49	18.00	0,75	0,61	0,56	24.00	0,87	0,80	0,74	100
M 12x1.50	3521-12.00	12.40	12.00	0,63	0,53	0,49	18.00	0,75	0,54	0,49	24.00	0,87	0,80	0,74	100
M 12x1.75	3520-12.00	12.50	12.00	0,63	0,51	0,48	18.00	0,75	0,65	0,61	24.00	0,87	0,75	0,69	100
M 13x1.25	3523-13.00	13.25	13.00	0,92	0,86	0,80	19.50	1,42	1,33	1,23	26.00	1,92	1,77	1,63	50
M 13x1.50	3521-13.00	13.25	13.00	0,92	0,86	0,80	19.50	1,42	1,33	1,23	26.00	1,92	1,77	1,63	50
M 13x1.75	3520-13.00	13.50	13.00	0,92	0,86	0,80	19.50	1,42	1,33	1,23	26.00	1,92	1,77	1,63	50
M 14x1.00	3524-14.00	14.25	14.00	1,16	1,12	1,09	21.00	1,20	1,16	1,10	28.00	1,38	1,33	1,25	50
M 14x1.25	3523-14.00	14.25	14.00	0,97	0,88	0,82	21.00	1,10	0,96	0,88	28.00	1,16	1,08	1,01	50
M 14x1.50	3521-14.00	14.50	14.00	0,97	0,84	0,79	21.00	1,10	0,90	0,84	28.00	1,16	1,12	1,05	50
M 14x2.00	3520-14.00	14.50	14.00	0,97	0,80	0,74	21.00	1,10	1,01	0,91	28.00	1,16	1,10	1,03	50

Nota Importante: La longitud total del inserto, se define para el inserto una vez montado en la pieza.

INSERTOS LIBRES



		L mm	 2.5D			 3.0D			Unit		
			€	€	€	€	€	€			
M 2x0.40	3520-2.00	2.10	5.00	0,58	0,53	0,50	6.00	0,63	0,61	0,58	100
M 2.20x0.45	3520-2.20	2.30	5.50	0,58	0,53	0,50	6.60	0,63	0,61	0,58	100
M 2.50x0.45	3520-2.50	2.60	6.25	0,39	0,35	0,32	7.50	0,45	0,40	0,38	100
M 3x0.50	3520-3.00	3.20	7.50	0,39	0,35	0,32	9.00	0,45	0,40	0,38	100
M 3.50x0.60	3520-3.50	3.70	8.75	0,42	0,39	0,37	10.50	0,50	0,47	0,44	100
M 4x0.70	3520-4.00	4.20	10.00	0,39	0,35	0,32	12.00	0,42	0,38	0,36	100
M 5x0.80	3520-5.00	5.20	12.50	0,44	0,38	0,36	15.00	0,51	0,44	0,41	100
M 6x1.00	3520-6.00	6.30	15.00	0,50	0,47	0,44	18.00	0,63	0,54	0,50	100
M 7x1.00	3520-7.00	7.30	17.50	0,62	0,54	0,50	21.00	0,72	0,70	0,66	100
M 8x1.00	3521-8.00	8.30	20.00	0,64	0,60	0,54	24.00	0,78	0,74	0,68	100
M 8x1.25	3520-8.00	8.30	20.00	0,62	0,54	0,50	24.00	0,72	0,65	0,61	100
M 9x1.25	3520-9.00	9.40	22.50	0,74	0,67	0,65	27.00	0,87	0,84	0,81	100
M 10x1.00	3523-10.00	10.30	25.00	0,70	0,64	0,60	30.00	0,85	0,78	0,71	100
M 10x1.25	3521-10.00	10.30	25.00	0,70	0,66	0,63	30.00	0,85	0,83	0,78	100
M 10x1.50	3520-10.00	10.40	25.00	0,70	0,63	0,59	30.00	0,85	0,75	0,69	100
M 11x1.00	3523-11.00	11.30	27.50	1,62	1,54	1,46	33.00	2,00	1,91	1,79	100
M 11x1.25	3521-11.00	11.30	27.50	1,62	1,54	1,46	33.00	2,00	1,91	1,79	100
M 11x1.50	3520-11.00	11.40	27.50	1,11	1,03	0,93	33.00	1,31	1,27	1,22	100
M 12x1.00	3524-12.00	12.30	30.00	1,54	1,50	1,44	36.00	1,89	1,81	1,67	100
M 12x1.25	3523-12.00	12.30	30.00	1,03	1,01	0,96	36.00	1,25	1,18	1,10	100
M 12x1.50	3521-12.00	12.40	30.00	1,03	1,01	0,96	36.00	1,44	1,18	1,10	100
M 12x1.75	3520-12.00	12.50	30.00	1,03	1,00	0,89	36.00	1,31	1,24	1,18	100
M 13x1.25	3523-13.00	13.25	32.50	2,59	2,38	2,21	39.00	2,98	2,74	2,54	50
M 13x1.50	3521-13.00	13.25	32.50	2,59	2,38	2,21	39.00	2,98	2,74	2,54	50
M 13x1.75	3520-13.00	13.50	32.50	2,59	2,38	2,21	39.00	2,98	2,74	2,54	50
M 14x1.00	3524-14.00	14.25	35.00	1,66	1,58	1,46	42.00	2,16	1,82	1,68	50
M 14x1.25	3523-14.00	14.25	35.00	1,37	1,29	1,19	42.00	1,67	1,47	1,35	50
M 14x1.50	3521-14.00	14.50	35.00	1,37	1,28	1,18	42.00	1,67	1,53	1,42	50
M 14x2.00	3520-14.00	14.50	35.00	1,37	1,31	1,28	42.00	1,67	1,59	1,47	50

Nota Importante: La longitud total del inserto, se define para el inserto una vez montado en la pieza.

INSERTOS LIBRES

M
MF

FREE

M/MF

AISI 304

BS7752
DIN6140NASM3279
NASM3280
NASM3281 LNS039

...D



D	L	Ø	1.0D			1.5D			2.0D			Unit
			L mm	€		L mm	€		L mm	€		
				<100	100-500		<100	100-500		<100	100-500	
M 15 x 1.50	3521-15.00	15.25	15.00	1,54	1,28	22.50	1,98	1,63	30.00	2,50	2,10	50
M 15 x 2.00	3520-15.00	15.50	15.00	1,54	1,28	22.50	1,98	1,66	30.00	2,50	2,07	50
M 16 x 1.50	3521-16.00	16.50	16.00	1,29	0,87	24.00	1,35	0,98	32.00	1,67	1,28	50
M 16 x 2.00	3520-16.00	16.50	16.00	1,29	1,08	24.00	1,35	1,12	32.00	1,67	1,40	50
M 18 x 1.50	3523-18.00	18.50	18.00	1,89	1,61	27.00	2,21	1,88	36.00	2,98	2,54	50
M 18 x 2.00	3521-18.00	18.50	18.00	1,89	1,63	27.00	2,21	2,02	36.00	2,98	2,32	50
M 18 x 2.50	3520-18.00	19.00	18.00	1,89	1,56	27.00	2,21	1,84	36.00	2,98	2,48	50
M 20 x 1.50	3523-20.00	20.50	20.00	2,21	1,88	30.00	2,78	2,37	40.00	3,57	3,05	25
M 20 x 2.00	3521-20.00	20.50	20.00	2,21	1,56	30.00	2,78	2,22	40.00	3,57	3,05	25
M 20 x 2.50	3520-20.00	20.75	20.00	2,21	1,88	30.00	2,78	2,37	40.00	3,57	3,05	25
M 22 x 1.50	3523-22.00	22.50	22.00	2,38	2,03	33.00	2,98	2,54	44.00	3,77	3,21	25
M 22 x 2.00	3521-22.00	22.50	22.00	2,38	2,07	33.00	2,98	2,54	44.00	3,77	3,14	25
M 22 x 2.50	3520-22.00	22.75	22.00	2,38	2,02	33.00	2,98	2,54	44.00	3,77	3,21	25
M 24 x 1.50	3523-24.00	24.50	24.00	2,98	2,52	36.00	3,13	2,96	48.00	3,98	3,61	25
M 24 x 2.00	3521-24.00	24.50	24.00	2,98	2,66	36.00	3,13	2,96	48.00	3,98	3,70	25
M 24 x 3.00	3520-24.00	25.00	24.00	2,98	2,66	36.00	3,13	2,96	48.00	3,98	3,48	25
M 26 x 1.50	3523-26.00	26.50	26.00	4,53	3,84	39.00	5,15	4,39	52.00	6,69	5,69	10
M 27 x 1.50	3523-27.00	27.50	27.00	4,25	3,62	40.50	5,15	4,39	54.00	6,31	5,36	10
M 27 x 2.00	3521-27.00	27.50	27.00	4,38	3,73	40.50	5,15	4,42	54.00	6,31	5,30	10
M 27 x 3.00	3520-27.00	28.00	27.00	3,74	3,17	40.50	5,15	4,84	54.00	6,57	6,26	10
M 28 x 1.50	3523-28.00	28.50	28.00	4,34	3,70	42.00	5,15	4,39	56.00	6,69	5,69	10
M 30 x 1.50	3523-30.00	30.50	30.00	5,12	4,37	45.00	5,89	5,01	60.00	7,28	6,18	10
M 30 x 2.00	3521-30.00	30.50	30.00	4,83	4,12	45.00	5,89	5,01	60.00	7,56	6,44	10
M 30 x 3.50	3520-30.00	31.00	30.00	4,31	3,80	45.00	5,89	4,22	60.00	7,86	6,69	10
M 33 x 2.00	3521-33.00	33.50	33.00	7,26	6,17	49.50	7,54	6,56	66.00	8,82	7,54	10
M 33 x 3.50	3520-33.00	34.00	33.00	6,31	5,36	49.50	7,54	6,56	66.00	9,04	7,72	10
M 36 x 1.50	3524-36.00	36.50	36.00	6,21	5,28	54.00	7,54	6,56	72.00	9,08	8,58	10
M 36 x 2.00	3523-36.00	36.50	36.00	6,21	5,28	54.00	7,54	6,42	72.00	9,08	8,58	10
M 36 x 3.00	3521-36.00	37.00	36.00	6,21	5,28	54.00	7,54	7,23	72.00	9,21	8,58	10
M 36 x 4.00	3520-36.00	37.00	36.00	6,21	5,28	54.00	7,54	6,25	72.00	9,08	7,98	10
M 39 x 3,00	3521-39.00	40.00	39.00	-	-	58.50	30,30	-	78.00	-	-	1
M 39 x 4,00	3520-39.00	40.25	39.00	31,42	-	58.50	36,38	-	78.00	38,72	-	1
M 40 x 3,00	3523-40.00	41.00	40.00	-	-	60.00	42,79	-	80.00	-	-	1
M 42 x 3,00	3523-42.00	43.00	42.00	-	-	63.00	42,79	-	84.00	-	-	1
M 42 x 4,50	3520-42.00	43.50	42.00	-	-	63.00	43,15	-	84.00	-	-	1
M 45 x3 ,00	3523-45.00	46.00	45.00	-	-	67.50	51,48	-	90.00	-	-	1
M 45 x 4,50	3520-45.00	46.50	45.00	-	-	67.50	51,91	-	90.00	-	-	1
M 48 x 3,00	3523-48.00	49.00	48.00	-	-	72.00	51,48	-	96.00	-	-	1
M 48 x 5,00	3520-48.00	49.50	48.00	-	-	72.00	68,14	-	96.00	-	-	1
M 50 x 3,00	3523-50.00	51.00	50.00	-	-	75.00	67,57	-	100.00	-	-	1
M 52 x 3,00	3523-52.00	53.00	52.00	-	-	78.00	72,40	-	104.00	-	-	1
M 52 x 5,00	3520-52.00	53.50	52.00	-	-	78.00	73,01	-	104.00	-	-	1

Nota importante: La longitud total del inserto, se define para el inserto una vez montado en la pieza.

INSERTOS LIBRES

M MF FREE M/MF AISI 304 BS7752 DIN9140 NASM3279 NASM3280 NASM3261 LN9039 ...D



D	L	Ø	L mm	2.5D		3.0D		Unit	
				<100	100-500	<100	100-500		
M 15 x 1.50	3521-15.00	15.25	37.50	3,08	2,57	45.00	3,57	2,95	50
M 15 x 2.00	3520-15.00	15.50	37.50	3,08	2,57	45.00	3,57	2,95	50
M 16 x 1.50	3521-16.00	16.50	40.00	1,83	1,56	48.00	2,16	1,75	50
M 16 x 2.00	3520-16.00	16.50	40.00	1,83	1,62	48.00	2,16	1,85	50
M 18 x 1.50	3523-18.00	18.50	45.00	3,38	2,89	54.00	3,98	3,38	50
M 18 x 2.00	3521-18.00	18.50	45.00	3,38	2,71	54.00	3,98	3,12	50
M 18 x 2.50	3520-18.00	19.00	45.00	3,38	2,81	54.00	3,98	3,31	50
M 20 x 1.50	3523-20.00	20.50	50.00	3,98	3,38	60.00	4,57	3,89	25
M 20 x 2.00	3521-20.00	20.50	50.00	3,98	3,38	60.00	4,57	3,89	25
M 20 x 2.50	3520-20.00	20.75	50.00	3,98	3,38	60.00	4,57	3,89	25
M 22 x 1.50	3523-22.00	22.50	55.00	4,32	3,68	66.00	5,21	4,43	25
M 22 x 2.00	3521-22.00	22.50	55.00	4,32	3,68	66.00	5,21	4,43	25
M 22 x 2.50	3520-22.00	22.75	55.00	4,32	3,68	66.00	5,21	4,43	25
M 24 x 1.50	3523-24.00	24.50	60.00	5,22	4,34	72.00	5,57	5,09	25
M 24 x 2.00	3521-24.00	24.50	60.00	5,22	4,44	72.00	5,57	5,21	25
M 24 x 3.00	3520-24.00	25.00	60.00	5,22	4,44	72.00	6,37	5,60	25
M 26 x 1.50	3523-26.00	26.50	65.00	8,95	7,59	78.00	11,18	9,50	10
M 27 x 1.50	3523-27.00	27.50	67.50	8,19	6,96	81.00	9,67	8,22	10
M 27 x 2.00	3521-27.00	27.50	67.50	7,44	6,33	81.00	8,78	7,48	10
M 27 x 3.00	3520-27.00	28.00	67.50	7,74	6,58	81.00	9,14	7,78	10
M 28 x 1.50	3523-28.00	28.50	70.00	9,61	8,18	84.00	11,53	9,82	10
M 30 x 1.50	3523-30.00	30.50	75.00	9,79	8,33	90.00	11,73	9,98	10
M 30 x 2.00	3521-30.00	30.50	75.00	8,69	7,41	90.00	10,01	8,53	10
M 30 x 3.50	3520-30.00	31.00	75.00	8,65	7,35	90.00	9,52	8,11	10
M 33 x 2.00	3521-33.00	33.50	82.50	9,71	8,25	99.00	10,68	9,08	10
M 33 x 3.50	3520-33.00	34.00	82.50	11,32	9,63	99.00	12,77	10,86	10
M 36 x 1.50	3524-36.00	36.50	90.00	11,88	10,11	108.00	13,08	11,12	10
M 36 x 2.00	3523-36.00	36.50	90.00	11,20	9,52	108.00	12,27	10,44	10
M 36 x 3.00	3521-36.00	37.00	90.00	11,04	9,40	108.00	12,16	10,34	10
M 36 x 4.00	3520-36.00	37.00	90.00	12,79	10,88	108.00	16,49	14,02	10



Ejemplo de codificación:

M 15x1.50	3520-15.00x1.0D	3520-15.00x1.5D
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INSERTOS LIBRES

M
MF

FREE

M/MF

AISI 304



BS7752
DIN6140NASM3279 NASM3280
NASM3281 LN9039

...D-LH



INSERTO A IZQUIERDAS



			 1.5D	L mm	€		€
M 3 x 0.50	3520-3.00x1.5D-LH	3.20	4.50	4,45	3520-3.00I-LH	26,58	
M 4 x 0.70	3520-4.00x1.5D-LH	4.20	6.00	4,45	3520-4.00I-LH	26,58	
M 5 x 0.80	3520-5.00x1.5D-LH	5.20	7.50	4,45	3520-5.00I-LH	26,58	
M 6 x 1.00	3520-6.00x1.5D-LH	6.30	9.00	3,07	3520-6.00I-LH	26,58	
M 8 x 1.25	3520-8.00x1.5D-LH	8.30	12.00	3,07	3520-8.00I-LH	33,10	
M 10 x 1.50	3520-10.00x1.5D-LH	10.40	15.00	4,10	3520-10.00I-LH	40,56	
M 12 x 1.75	3520-12.00x1.5D-LH	12.50	18.00	6,13	3520-12.00I-LH	45,91	

M
MF

FREE




M/MF

AISI 316

BS7752
DIN6140NASM3279 NASM3280
NASM3281 LN9039

...DY

AISI 316

			 1.5D	L mm	€
M 3 x 0.50	3520-3.00x1.5DY	3.20	4.50	2,29	
M 4 x 0.70	3520-4.00x1.5DY	4.20	6.00	2,40	
M 5 x 0.80	3520-5.00x1.5DY	5.20	7.50	2,49	
M 6 x 1.00	3520-6.00x1.5DY	6.30	9.00	2,54	
M 8 x 1.25	3520-8.00x1.5DY	8.30	12.00	3,06	
M 10 x 1.50	3520-10.00x1.5DY	10.40	15.00	3,15	
M 12 x 1.75	3520-12.00x1.5DY	12.50	18.00	3,43	



X.XD

Ejemplo de codificación:

M 6 x 1.00



1.0D

3520-6.00X1.5DY

INSERTOS SIN COLA



D	L	Ø	1.0D			1.5D			2.0D			Unit			
			L mm	<500	500-999	1000-...	L mm	<500	500-999	1000-...	L mm		<500	500-999	1000-...
M 3 x 0.50	3520-3.00DTL	3.20	3.00	0,44	0,39	0,38	4.50	0,46	0,41	0,39	6.00	0,50	0,42	0,41	100
M 4 x 0.70	3520-4.00DTL	4.20	4.00	0,42	0,36	0,34	6.00	0,44	0,39	0,38	8.00	0,50	0,42	0,41	100
M 5 x 0.80	3520-5.00DTL	5.20	5.00	0,50	0,42	0,41	7.50	0,42	0,41	0,39	10.00	0,59	0,47	0,44	100
M 6 x 1.00	3520-6.00DTL	6.30	6.00	0,53	0,44	0,41	9.00	0,44	0,41	0,39	12.00	0,65	0,59	0,54	100
M 8 x 1.25	3520-8.00DTL	8.30	8.00	0,53	0,47	0,44	12.00	0,59	0,49	0,46	16.00	0,80	0,65	0,62	100
M 10 x 1.50	3520-10.00DTL	10.40	10.00	0,68	0,59	0,54	15.00	0,80	0,65	0,62	20.00	0,91	0,78	0,71	100
M 12 x 1.75	3520-12.00DTL	12.50	12.00	0,97	0,81	0,76	18.00	1,16	1,01	0,93	24.00	1,35	1,16	1,07	100



Ejemplo de codificación:

	1.0D	1.5D	2.0D
M 3 x 0.50	3520-3.00X1.0DTL	3520-3.00X1.5DTL	3520-3.00X2.0DTL

HERRAMIENTAS DE INSTALACION PARA INSERTOS SIN COLA

	€
3520-3MITTL	608,98
3520-4MITTL	608,98
3520-5MITTL	608,98
3520-6MITTL	608,98
3520-8MITTL	608,98
3520-10MITTL	608,98
3520-12MITTL	608,98



INSERTO LIBERO

UNC



...D



D	UNC	N°	3532-2G	D1 mm	L mm	1.0D			1.5D			2.0D			Unit			
						L mm	€	€	L mm	€	€	L mm	€	€				
		2-56		2.18	2.40	2.29	0,65	0,60	0,54	3.30	0,76	0,69	0,65	4.32	1,00	0,89	0,83	100
		3-48		2.51	2.70	2.54	0,66	0,62	0,58	3.81	0,71	0,65	0,61	5.08	0,75	0,70	0,66	100
		4-40		2.84	3.00	2.79	0,35	0,30	0,28	4.32	0,36	0,32	0,29	5.59	0,37	0,34	0,30	100
		5-40		3.17	3.40	3.30	0,38	0,34	0,30	4.83	0,39	0,35	0,32	6.35	0,41	0,38	0,36	100
		6-32		3.50	3.70	3.56	0,28	0,26	0,25	5.33	0,30	0,28	0,26	7.11	0,35	0,29	0,27	100
		8-32		4.17	4.40	4.06	0,29	0,27	0,26	6.35	0,34	0,29	0,27	8.38	0,37	0,30	0,28	100
		10-24		4.83	5.10	4.83	0,34	0,29	0,27	7.37	0,37	0,30	0,28	9.65	0,39	0,35	0,32	100
		12-24		5.49	5.70	5.59	0,38	0,34	0,30	8.13	0,41	0,38	0,36	10.92	0,44	0,40	0,38	100
		1/4-20		6.35	6.70	6.35	0,38	0,34	0,30	9.65	0,41	0,38	0,36	12.70	0,44	0,40	0,38	100
		5/16-18		7.94	8.30	7.87	0,49	0,42	0,40	11.94	0,61	0,51	0,48	15.75	0,63	0,54	0,50	100
		3/8-16		9.52	9.90	9.65	0,69	0,63	0,59	14.48	0,75	0,66	0,62	19.30	1,00	0,86	0,80	100
		7/16-14		11.11	11.60	11.18	0,84	0,74	0,68	16.76	1,01	0,88	0,82	22.35	1,13	1,01	0,91	100
		1/2-13		12.70	13.00	12.70	0,89	0,79	0,72	19.05	1,01	0,88	0,82	25.40	1,13	1,01	0,91	100
		9/16-12		14.28	15.00	14.22	1,74	1,53	1,42	21.34	2,03	1,80	1,66	28.45	2,59	2,28	2,11	50
		5/8-11		15.87	16.50	16.00	1,75	1,54	1,44	24.13	2,04	1,81	1,67	32.00	2,61	2,30	2,13	50
		3/4-10		19.05	20.00	19.05	1,93	1,71	1,56	28.70	2,40	2,13	1,96	38.10	2,88	2,54	2,34	50
		7/8-9		22.22	23.00	22.35	2,51	2,22	2,04	33.53	3,13	2,76	2,55	44.70	3,74	3,30	3,03	25
		1-8		25.40	26.25	25.40	3,66	3,57	3,30	38.10	5,47	5,34	4,92	50.80	6,95	6,80	6,27	25
		1.1/8-7		28.57	29.50	28.70	5,82	5,13	4,71	42.93	7,70	6,78	6,25	57.15	7,98	7,04	6,47	25
		1.1/4-7		31.75	32.50	31.75	6,35	5,59	5,15	47.75	8,06	7,10	6,53	63.50	9,09	8,00	7,36	10
		1.3/8-6		34.92	36.00	35.05	6,96	6,13	5,65	52.58	8,59	7,56	6,96	69.85	10,19	8,98	8,25	10
		1.1/2-6		38.10	39.50	38.10	8,06	7,10	6,53	57.15	11,08	9,75	8,99	76.20	12,81	11,28	10,37	10

Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.



Esempio di codifica:

UNC 1/4-20



3532-1/4x1.0D



3532-1/4x1.5D



3532-1/4x2.0D

INSERTO LIBERO

UNC FREE UNC AISI 304 SBAC AS 6734 NASMI22075 - NASMI22275 NASM8846 ...D



D	L	D1 mm	Ø	L mm	€			L mm	€			Unit
					<500	500-999	1000-...		<500	500-999	1000-...	
UNC N°2-56	3532-2G	2.18	2.40	5.59	1,11	1,02	0,92	6.60	1,39	1,25	1,16	100
UNC N°3-48	3532-3G	2.51	2.70	6.35	0,79	0,72	0,67	7.62	0,87	0,80	0,74	100
UNC N°4-40	3532-4G	2.84	3.00	9.65	0,41	0,38	0,36	8.64	0,49	0,42	0,40	100
UNC N°5-40	3532-5G	3.17	3.40	7.87	0,49	0,42	0,40	9.65	0,61	0,51	0,48	100
UNC N°6-32	3532-6G	3.50	3.70	8.89	0,38	0,34	0,30	10.41	0,44	0,39	0,37	100
UNC N°8-32	3532-8G	4.17	4.40	10.41	0,39	0,36	0,34	12.45	0,46	0,41	0,39	100
UNC N°10-24	3532-10G	4.83	5.10	12.19	0,47	0,41	0,39	14.48	0,58	0,49	0,46	100
UNC N°12-24	3532-12G	5.49	5.70	13.72	0,53	0,48	0,45	16.51	0,66	0,60	0,54	100
UNC 1/4-20	3532-1/4	6.35	6.70	16.00	0,53	0,48	0,45	19.05	0,66	0,60	0,54	100
UNC 5/16-18	3532-5/16	7.94	8.30	19.81	0,75	0,65	0,61	23.62	0,89	0,79	0,72	100
UNC 3/8-16	3532-3/8	9.52	9.90	24.13	1,12	1,00	0,91	28.96	1,34	1,18	1,09	100
UNC 7/16-14	3532-7/16	11.11	11.60	27.94	1,37	1,20	1,11	33.53	1,67	1,47	1,35	100
UNC 1/2-13	3532-1/2	12.70	13.00	31.75	1,37	1,20	1,11	38.10	1,67	1,47	1,35	100
UNC 9/16-12	3532-9/16	14.28	15.00	35.56	3,24	2,86	2,63	42.67	3,50	3,09	2,86	50
UNC 5/8-11	3532-5/8	15.87	16.50	40.13	3,29	2,90	2,67	48.01	3,54	3,12	2,88	50
UNC 3/4-10	3532-3/4	19.05	20.00	47.75	3,75	3,31	3,05	57.15	4,13	3,64	3,35	50
UNC 7/8-9	3532-7/8	22.22	23.00	55.88	4,87	4,28	3,95	67.06	5,36	4,71	4,35	25
UNC 1-8	3532-1	25.40	26.25	63.50	8,21	8,03	7,41	76.20	9,96	9,73	8,97	25
UNC 1.1/8-7	3532-1.1/8	28.57	29.50	71.37	9,95	8,77	8,07	85.85	11,08	9,75	8,99	25
UNC 1.1/4-7	3532-1.1/4	31.75	32.50	79.50	11,40	10,05	9,24	95.25	12,82	11,29	10,38	10
UNC 1.3/8-6	3532-1.3/8	34.92	36.00	87.38	12,87	11,33	10,44	104.90	14,04	12,36	11,37	10
UNC 1.1/2-6	3532-1.1/2	38.10	39.50	95.25	16,75	14,74	13,58	114.30	19,05	16,77	15,44	10

Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.

INSERTO LIBERO

UNF



FREE



UNF



AISI 304



SBAC AS 6734

NASM124651-124850
NASM8846
SBAC8455

...D

L
1.0DL
1.5DL
2.0D

D	UNF	D1 mm	Ø	L mm	€			L mm	€			L mm	€			Unit
					<500	500-999	1000-...		<500	500-999	1000-...		<500	500-999	1000-...	
UNF N°3 - 56	3534-3G	2.51	2.70	2.54	0,50	0,45	0,42	3.81	0,63	0,56	0,51	5.08	0,76	0,67	0,63	100
UNF N°4 - 48	3534-4G	2.84	3.00	2.79	0,50	0,45	0,42	4.32	0,63	0,56	0,51	5.59	0,76	0,67	0,63	100
UNF N°6 - 40	3534-6G	3.50	3.70	3.56	0,50	0,45	0,42	5.33	0,63	0,56	0,51	7.11	0,76	0,67	0,63	100
UNF N°8 - 36	3534-8G	4.17	4.40	4.06	0,50	0,45	0,42	6.35	0,63	0,56	0,51	8.38	0,76	0,67	0,63	100
UNF N°10 - 32	3534-10G	4.83	5.10	4.83	0,37	0,30	0,28	7.37	0,38	0,34	0,30	9.65	0,44	0,39	0,37	100
UNF N°12 - 28	3534-12G	5.49	5.70	5.59	0,60	0,51	0,48	8.13	0,62	0,58	0,51	10.92	0,64	0,61	0,56	100
UNF 1/4 - 28	3534-1/4	6.35	6.60	6.35	0,37	0,30	0,28	9.65	0,38	0,34	0,30	12.70	0,44	0,39	0,37	100
UNF 5/16 - 24	3534-5/16	7.94	8.20	7.87	0,48	0,42	0,40	11.94	0,51	0,45	0,42	15.75	0,63	0,53	0,49	100
UNF 3/8 - 24	3534-3/8	9.52	9.80	9.65	0,72	0,63	0,59	14.48	0,75	0,65	0,61	19.30	0,89	0,79	0,72	100
UNF 7/16 - 20	3534-7/16	11.11	11.50	11.18	0,88	0,78	0,71	16.76	1,01	0,87	0,81	22.35	1,12	1,00	0,91	100
UNF 1/2 - 20	3534-1/2	12.70	13.00	12.70	0,88	0,78	0,71	19.05	1,01	0,87	0,81	25.40	1,12	1,00	0,91	100
UNF 9/16 - 18	3534-9/16	14.29	14.70	14.22	1,98	1,75	1,61	21.34	2,10	1,85	1,71	28.45	2,50	2,22	2,04	50
UNF 5/8 - 18	3534-5/8	15.87	16.30	16.00	2,03	1,80	1,66	24.13	2,21	1,94	1,80	32.00	2,50	2,22	2,04	50
UNF 3/4 - 16	3534-3/4	19.05	19.50	19.05	2,24	1,97	1,83	28.70	2,40	2,13	1,96	38.10	2,74	2,42	2,23	50
UNF 7/8 - 14	3534-7/8	22.22	22.50	22.35	4,66	4,11	3,78	33.53	6,87	6,05	5,58	44.70	8,75	7,70	7,09	25
UNF 1-12	3534-1	25.40	26.00	25.40	4,66	4,11	3,78	38.10	6,87	6,05	5,58	50.80	8,75	7,70	7,09	25
UNF 1-14	3535-1	25.40	26.00	25.40	4,85	4,25	3,92	38.10	7,15	6,30	5,79	50.80	9,09	7,99	7,35	25
UNF 1.1/8 - 12	3534-1.1/8	28.57	29.50	28.70	6,68	5,89	5,42	43.18	8,82	7,77	7,15	57.15	9,16	8,06	7,43	10
UNF 1.1/4 - 12	3534-1.1/4	31.75	32.50	31.75	7,26	6,39	5,89	47.75	9,60	8,44	7,78	63.50	10,42	9,17	8,43	10
UNF 1.3/8 - 12	3534-1.3/8	34.92	35.50	35.05	7,96	7,01	6,45	52.58	9,85	8,66	7,97	69.85	11,67	10,27	9,45	10
UNF 1.1/2 - 12	3534-1.1/2	38.10	38.50	38.10	9,22	8,12	7,48	57.15	11,99	11,64	10,71	76.20	14,67	12,92	11,89	10

Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.



Esempio di codifica:

UNF N°3 - 56

L
1.0D

3534-3Gx1.0D

L
1.5D

3534-3Gx1.5D

L
2.0D

3534-3Gx2.0D

INSERTO LIBERO

UNF FREE UNF AISI 304 SBAC AS 6734 NASM124551-124850 NASM8846 SBAC8455 ...D



D	L	D1 mm	Ø	L mm	2.5D			3.0D			Unit	
					<500	500-999	1000-...	<500	500-999	1000-...		
UNF N°3 - 56	3534-3G	2.51	2.70	6.35	0,87	0,78	0,71	7.62	1,02	0,89	0,83	100
UNF N°4 - 48	3534-4G	2.84	3.00	7.11	0,87	0,78	0,71	8.64	1,02	0,89	0,83	100
UNF N°6 - 40	3534-6G	3.50	3.70	8.89	0,87	0,78	0,71	10.41	1,02	0,89	0,83	100
UNF N°8 - 36	3534-8G	4.17	4.40	10.41	0,87	0,78	0,71	12.45	1,02	0,89	0,83	100
UNF N°10 - 32	3534-10G	4.83	5.10	12.19	0,58	0,49	0,46	14.48	0,66	0,60	0,54	100
UNF N°12 - 28	3534-12G	5.49	5.70	13.72	0,67	0,63	0,59	16.51	0,75	0,70	0,66	100
UNF 1/4 - 28	3534-1/4	6.35	6.60	16.00	0,58	0,49	0,46	19.05	0,66	0,60	0,54	100
UNF 5/16 - 24	3534-5/16	7.94	8.20	19.81	0,76	0,67	0,63	23.62	0,89	0,79	0,72	100
UNF 3/8 - 24	3534-3/8	9.52	9.80	24.13	1,13	1,01	0,91	28.96	1,34	1,18	1,09	100
UNF 7/16 - 20	3534-7/16	11.11	11.50	27.94	1,40	1,23	1,13	33.53	1,67	1,47	1,35	100
UNF 1/2 - 20	3534-1/2	12.70	13.00	31.75	1,40	1,23	1,13	38.10	1,67	1,47	1,35	100
UNF 9/16 - 18	3534-9/16	14.29	14.70	35.56	3,17	2,79	2,58	42.67	3,56	3,13	2,89	50
UNF 5/8 - 18	3534-5/8	15.87	16.30	40.13	2,98	2,63	2,42	48.01	3,56	3,13	2,89	50
UNF 3/4 - 16	3534-3/4	19.05	19.50	47.75	3,75	3,31	3,05	57.15	4,13	3,64	3,35	50
UNF 7/8 - 14	3534-7/8	22.22	22.50	55.88	10,45	9,20	8,46	67.06	12,17	10,71	9,86	25
UNF 1 - 12	3534-1	25.40	26.00	63.50	10,45	9,20	8,46	76.20	12,17	10,71	9,86	25
UNF 1 - 14	3535-1	25.40	26.00	63.50	10,45	9,20	8,46	76.20	12,53	11,03	10,15	25
UNF 1.1/8 - 12	3534-1.1/8	28.57	29.50	71.37	11,40	10,05	9,24	85.85	12,71	11,18	10,29	10
UNF 1.1/4 - 12	3534-1.1/4	31.75	32.50	79.50	13,03	11,48	10,57	95.25	14,69	12,93	11,89	10
UNF 1.3/8 - 12	3534-1.3/8	34.92	35.50	87.38	14,74	12,98	11,95	104.90	16,07	14,14	13,02	10
UNF 1.1/2 - 12	3534-1.1/2	38.10	38.50	95.25	19,16	16,87	15,52	114.30	21,82	19,20	17,67	10



Consultare la nostra gamma di organizzatori.

INSERTO LIBERO

BSW



...D



	D1 mm		1.0D		1.5D		2.0D		2.5D		3.0D		Unit
			L mm	€	L mm	€	L mm	€	L mm	€	L mm	€	
BSW 1/8 - 40	3.17	3.40	3.30	0,44	5.08	0,48	6.60	0,58	8.38	0,74	9.91	0,96	100
BSW 3/16 - 24	4.76	5.00	4.83	0,44	7.37	0,48	9.65	0,58	12.19	0,74	14.48	0,96	100
BSW 1/4 - 20	6.35	6.70	6.35	0,40	9.65	0,44	12.70	0,50	16.00	0,66	19.05	0,71	100
BSW 5/16 - 18	7.94	8.30	7.87	0,46	11.94	0,53	15.75	0,59	19.81	0,69	23.62	0,85	100
BSW 3/8 - 16	9.52	10.00	9.65	0,83	14.48	0,88	19.30	1,05	24.13	1,23	28.96	1,47	100
BSW 7/16 - 14	11.11	11.60	11.18	1,01	16.76	1,10	22.35	1,27	27.94	1,50	33.53	1,84	100
BSW 1/2 - 12	12.70	13.00	12.70	1,01	19.05	1,10	25.40	1,27	31.75	1,50	38.10	1,84	100
BSW 9/16 - 12	14.29	14.75	14.22	2,50	21.34	3,50	28.45	4,11	35.56	4,88	42.67	5,97	50
BSW 5/8 - 11	15.87	16.50	16.00	2,50	24.13	3,50	32.00	4,11	40.13	4,88	48.01	5,97	50
BSW 3/4 - 10	19.05	20.00	19.05	3,24	28.70	4,16	38.10	5,06	47.75	6,08	57.15	7,28	50
BSW 7/8 - 9	22.22	23.25	22.35	4,16	33.53	5,80	44.70	7,26	55.88	8,74	67.06	10,48	25
BSW 1 - 8	25.40	26.50	25.40	4,48	38.10	6,65	50.80	7,26	63.50	8,74	76.20	10,48	25

BSF



...D

	D1 mm		1.0D		1.5D		2.0D		2.5D		3.0D		Unit
			L mm	€	L mm	€	L mm	€	L mm	€	L mm	€	
BSF 3/16 - 32	4.76	5.00	4.83	0,44	7.37	0,48	9.65	0,59	12.19	0,68	14.48	0,81	100
BSF 1/4 - 26	6.35	6.60	6.35	0,42	9.65	0,44	12.70	0,51	16.00	0,63	19.05	0,72	100
BSF 5/16 - 22	7.94	8.30	7.87	0,44	11.94	0,54	15.75	0,60	19.81	0,72	23.62	0,87	100
BSF 3/8 - 20	9.52	9.80	9.65	0,84	14.48	0,90	19.30	1,07	24.13	1,25	28.96	1,50	100
BSF 7/16 - 18	11.11	11.60	11.18	1,03	16.76	1,12	22.35	1,29	27.94	1,53	33.53	1,88	100
BSF 1/2 - 16	12.70	13.25	12.70	1,03	19.05	1,12	25.40	1,29	31.75	1,53	38.10	1,88	100
BSF 9/16 - 16	14.29	14.75	14.22	2,56	21.34	3,39	28.45	4,19	35.56	4,99	42.67	6,78	50
BSF 5/8 - 14	15.88	16.50	16.00	2,56	24.13	3,39	32.00	4,19	40.13	4,99	48.01	6,11	50
BSF 3/4 - 12	19.05	19.50	19.05	3,31	28.70	4,24	38.10	5,19	47.75	6,21	57.15	7,46	50
BSF 7/8 - 11	22.23	22.75	22.35	4,24	33.53	5,94	44.70	7,42	55.88	8,94	67.06	10,70	25
BSF 1 - 10	25.40	26.25	25.40	4,24	38.10	5,94	50.80	7,42	63.50	8,94	76.20	10,70	25

INSERTO LIBERO



	D1 mm		1.0D		1.5D		2.0D		Unit
			L mm	€	L mm	€	L mm	€	
BSP 1/8 - 28	9.73	10.00	3.30	0,62	4.83	0,87	6.35	0,97	100
BSP 1/4 - 19	13.16	13.75	6.35	0,83	9.65	1,19	12.70	1,34	100
BSP 3/8 - 19	16.66	17.00	9.65	0,74	14.22	1,35	19.05	1,53	100
BSP 1/2 - 14	20.95	21.50	12.70	1,92	19.05	1,94	25.40	3,08	50
BSP 5/8 - 14	22.91	23.50	16.00	2,94	23.88	4,34	31.75	4,53	50
BSP 3/4 - 14	26.44	27.00	19.05	2,94	28.70	4,34	38.10	4,53	50
BSP 7/8 - 14	30.20	30.50	22.35	7,55	33.53	13,27	44.45	16,55	25
BSP 1 - 11	33.25	33.75	25.40	8,46	38.10	14,86	50.80	17,02	25

	L mm	€	Unit
NPT 1/8 - 27	4.78	1,24	100
NPT 1/4 - 18	9.53	1,79	100
NPT 3/8 - 18	14.30	2,25	100
NPT 1/2 - 14	19.05	3,69	50
NPT 3/4 - 14	28.58	5,29	50
NPT 1 - 11.1/2	38.10	7,10	25



Esempio di codifica:

BSP 1/8-28

1.0D
3546-1/8x1.0D

1.5D
3546-1/8x1.5D

INSERTO LIBERO

UNx8



FREE



8-UN



AISI 304

...D



		D1 mm		1.0D		1.5D		2.0D		Unit
				L mm	€	L mm	€	L mm	€	
UN 1.1/8 - 8	3570-1.1/8	28.57	28.50	28.70	11,14	42.93	13,14	57.15	14,02	10
UN 1.1/4 - 8	3570-1.1/4	31.75	32.00	31.75	13,35	47.75	16,11	63.50	18,23	10
UN 1.3/8 - 8	3570-1.3/8	34.92	35.00	35.05	15,07	52.32	20,02	69.85	22,04	10
UN 1.1/2 - 8	3570-1.1/2	38.10	38.00	38.10	16,81	57.15	22,31	76.20	26,17	10
UN 1.5/8 - 8	3570-1.5/8	41.27	41.00	41.40	18,42	61.98	23,67	82.55	29,17	10
UN 1.3/4 - 8	3570-1.3/4	44.45	44.50	44.45	19,96	66.80	25,71	88.90	29,57	10
UN 1.7/8 - 8	3570-1.7/8	47.62	47.50	47.75	21,55	71.37	27,58	95.25	34,04	10
UN 2 - 8	3570-2	50.80	51.00	50.80	23,06	76.20	29,62	101.60	36,48	10

BA



FREE



BA



AISI 304

SBAC AS 4736
SBAC AS 4947

...D

		D1 mm		1.0D		1.5D		2.0D		2.5D		3.0D		Unit
				L mm	€	L mm	€	L mm	€	L mm	€	L mm	€	
BA 0	3544-0	6.00	6.20	6.10	2,76	8.89	3,65	11.94	4,38	14.99	5,03	18.03	5,79	100
BA 2	3544-2	4.70	4.90	4.83	1,44	7.11	1,60	9.40	1,76	11.68	2,07	14.22	2,24	100
BA 4	3544-4	3.60	3.80	3.56	1,44	5.33	1,60	7.11	1,76	8.89	2,07	10.92	2,24	100
BA 6	3544-6	2.80	2.90	2.79	1,44	4.32	1,60	5.59	1,76	7.11	2,07	8.38	2,24	100



X.XD

Esempio di codifica:

UN 1.1/8 - 8



3570-1.1/8x1.0D



3570-1.1/8x1.5D

INSERTO LIBERO

BSB FREE BSB AISI 304 ...D



D	D1	Ø	1.0D		1.5D		2.0D		Unit	
			L mm	€	L mm	€	L mm	€		
BSB 1/4 - 26	3560-1/4	6,35	6.60	6,35	1,69	9.53	2,33	12.70	2,55	100
BSB 5/16 - 26	3560-5/16	7,94	8.20	7,95	0,76	11.91	0,91	15.88	1,23	100
BSB 3/8 - 26	3560-3/8	9,52	9.80	9,53	0,88	14.30	1,06	19.05	1,44	100
BSB 7/16 - 26	3560-7/16	11,11	11.30	11,13	0,93	16.66	1,44	22.23	1,95	100
BSB 1/2 - 26	3560-1/2	12,70	12.70	12,70	1,91	19.05	2,42	25.40	3,08	50

M MF FREE M/MF AISI 304 ...D

D	D1	Ø	8.40mm	12.40mm	16.40mm	Unit
			€	€	€	
14x1.25	3522-14.00	14.25	1,03	1,03	1,03	50

D	D1	Ø	1/2"	3/4"	Unit
			€	€	
10x1.00	3522-10.00	10.30	0,51	-	100
12x1.25	3522-12.00	12.30	0,62	0,75	100
14x1.25	3522-14.00	14.25	0,89	1,38	50
18x1.50	3522-18.00	18.50	1,20	-	50



D	D1	Ø	0.339"	3/8"	7/16"	Unit
			€	€	€	
10x1.00	3522-10.00	10.30	0,43	-	-	100
14x1.25	3522-14.00	14.25	-	0,97	1,06	50

M
MF

FREE



M/MF







AISI 304

BS7752
DIN6140

...DP



INSERTO LIBERO

		€	D1 mm	L mm					
						mm	Accessori		
M 3 x 0.50	3520-3.00X1.0DP	4,03	1.00	3.00	10	3.20	3520-3.00I	3500-HIT4	3500-TB4
M 3 x 0.50	3520-3.00X1.5DP	4,21	1.50	4.50	10	3.20	3520-3.00I	3500-HIT4	3500-TB4
M 3 x 0.50	3520-3.00X2.0DP	4,77	2.00	6.00	10	3.20	3520-3.00I	3500-HIT4	3500-TB4
M 4 x 0.70	3520-4.00X1.0DP	3,83	1.00	4.00	10	4.20	3520-4.00I	3500-HIT6	3500-TB6
M 4 x 0.70	3520-4.00X1.5DP	4,03	1.50	6.00	10	4.20	3520-4.00I	3500-HIT6	3500-TB6
M 4 x 0.70	3520-4.00X2.0DP	4,77	2.00	8.00	10	4.20	3520-4.00I	3500-HIT6	3500-TB6
M 5 x 0.80	3520-5.00X1.0DP	4,77	1.00	5.00	10	5.20	3520-5.00I	3500-HIT8	3500-TB8
M 5 x 0.80	3520-5.00X1.5DP	3,83	1.50	7.50	10	5.20	3520-5.00I	3500-HIT8	3500-TB8
M 5 x 0.80	3520-5.00X2.0DP	5,30	2.00	10.00	10	5.20	3520-5.00I	3500-HIT8	3500-TB8
M 6 x 1.00	3520-6.00X1.0DP	4,94	1.00	6.00	10	6.30	3520-6.00I	3500-HIT9	3500-TB9
M 6 x 1.00	3520-6.00X1.5DP	4,03	1.50	9.00	10	6.30	3520-6.00I	3500-HIT9	3500-TB9
M 6 x 1.00	3520-6.00X2.0DP	6,04	2.00	12.00	10	6.30	3520-6.00I	3500-HIT9	3500-TB9
M 6 x 1.00	3520-6.00X2.5DP	7,31	2.50	15.00	10	6.30	3520-6.00I	3500-HIT9	3500-TB9
M 8 x 1.00	3521-8.00X1.0DP	5,67	1.00	8.00	10	8.30	3521-8.00I	3500-HIT11	3500-TB12
M 8 x 1.00	3521-8.00X1.5DP	6,04	1.50	12.00	10	8.30	3521-8.00I	3500-HIT11	3500-TB12
M 8 x 1.00	3521-8.00X2.0DP	7,68	2.00	16.00	10	8.30	3521-8.00I	3500-HIT11	3500-TB12
M 8 x 1.25	3520-8.00X1.0DP	4,94	1.00	8.00	10	8.30	3520-8.00I	3500-HIT11	3500-TB12
M 8 x 1.25	3520-8.00X1.5DP	5,30	1.50	12.00	10	8.30	3520-8.00I	3500-HIT11	3500-TB12
M 8 x 1.25	3520-8.00X2.0DP	7,31	2.00	16.00	10	8.30	3520-8.00I	3500-HIT11	3500-TB12
M 10 x 1.25	3521-10.00X1.5DP	7,07	1.50	15.00	10	10.30	3521-10.00I	3500-HIT13	3500-TB13
M 10 x 1.50	3520-10.00X1.0DP	6,17	1.00	10.00	10	10.40	3520-10.00I	3500-HIT13	3500-TB13
M 10 x 1.50	3520-10.00X1.5DP	7,07	1.50	15.00	10	10.40	3520-10.00I	3500-HIT13	3500-TB13
M 10 x 1.50	3520-10.00X2.0DP	8,12	2.00	20.00	10	10.40	3520-10.00I	3500-HIT13	3500-TB13
M 12 x 1.50	3521-12.00X1.5DP	10,42	1.50	18.00	10	12.40	3521-12.00I	3500-HIT15	3500-TB15
M 12 x 1.75	3520-12.00X1.0DP	8,65	1.00	12.00	10	12.50	3520-12.00I	3500-HIT15	3500-TB15
M 12 x 1.75	3520-12.00X1.5DP	10,42	1.50	18.00	10	12.50	3520-12.00I	3500-HIT15	3500-TB15
M 12 x 1.75	3520-12.00X2.0DP	12,24	2.00	24.00	10	12.50	3520-12.00I	3500-HIT15	3500-TB15
M 14 x 1.50	3521-14.00X1.5DP	7,68	1.50	21.00	5	14.40	3521-14.00I	3500-HIT16	-
M 14 x 2.00	3520-14.00X1.0DP	6,71	1.00	14.00	5	14.50	3520-14.00I	3500-HIT16	-
M 14 x 2.00	3520-14.00X1.5DP	7,68	1.50	21.00	5	14.50	3520-14.00I	3500-HIT16	-
M 14 x 2.00	3520-14.00X2.0DP	8,03	2.00	28.00	5	14.50	3520-14.00I	3500-HIT16	-
M 16 x 1.50	3521-16.00X1.5DP	9,45	1.50	24.00	5	16.50	3521-16.00I	3500-HIT18	-
M 16 x 2.00	3520-16.00X1.0DP	9,01	1.00	16.00	5	16.50	3520-16.00I	3500-HIT18	-
M 16 x 2.00	3520-16.00X1.5DP	9,45	1.50	24.00	5	16.50	3520-16.00I	3500-HIT18	-
M 16 x 2.00	3520-16.00X2.0DP	11,66	2.00	32.00	5	16.50	3520-16.00I	3500-HIT18	-
M 18 x 2.00	3521-18.00X1.5DP	15,36	1.50	27.00	5	18.50	3521-18.00I	3500-HIT20	-
M 18 x 2.50	3520-18.00X1.0DP	12,21	1.00	18.00	5	19.00	3520-18.00I	3500-HIT20	-
M 18 x 2.50	3520-18.00X1.5DP	14,27	1.50	27.00	5	19.00	3520-18.00I	3500-HIT20	-
M 18 x 2.50	3520-18.00X2.0DP	19,34	2.00	36.00	5	19.00	3520-18.00I	3500-HIT20	-
M 20 x 2.50	3520-20.00X1.0DP	14,27	1.00	20.00	5	20.75	3520-20.00I	3500-HIT21	-
M 20 x 2.50	3520-20.00X1.5DP	18,04	1.50	30.00	5	20.75	3520-20.00I	3500-HIT21	-
M 20 x 2.50	3520-20.00X2.0DP	23,18	2.00	40.00	5	20.75	3520-20.00I	3500-HIT21	-
M 22 x 2.50	3520-22.00X1.5DP	11,61	1.50	33.00	3	22.75	3520-22.00I	3500-HIT22	-
M 22 x 2.50	3520-22.00X2.0DP	14,71	2.00	44.00	3	22.75	3520-22.00I	3500-HIT22	-
M 24 x 3.00	3520-24.00X1.5DP	13,11	1.50	36.00	3	24.50	3520-24.00I	3500-HIT23	-

Accessori non inclusi nel prezzo.










M14x1,25








M12x1,25

		€	D1 mm	L mm					
						mm	Accessori		
M 12 x 1.25	3522-12.00X1/2P	8,46	-	1/2"	10	12.30	3522-12.00PN	3500-HIT15	3500-TB15
M 12 x 1.25	3522-12.00X3/4P	10,42	-	3/4"	10	12.30	3522-12.00PN	3500-HIT15	3500-TB15
M 14 x 1.25	3522-14.00X3/8P	13,48	-	3/8"	10	14.30	3522-14.00PN	3500-HIT17	3500-HIT17
M 14 x 1.25	3522-14.00X1/2P	12,54	-	1/2"	10	14.30	3522-14.00PN	3500-HIT17	3500-HIT17
M 14 x 1.25	3522-14.00X3/4P	19,09	-	3/4"	10	14.30	3522-14.00PN	3500-HIT17	3500-HIT17
M 14 x 1.25	3522-14.00X8.4P	7,15	-	8.4 mm	5	14.30	3522-14.00PN	3500-HIT17	3500-HIT17
M 14 x 1.25	3522-14.00X12.4P	7,15	-	12.4"	5	14.30	3522-14.00PN	3500-HIT17	3500-HIT17
M 14 x 1.25	3522-14.00X16.4P	7,15	-	16.4"	5	14.30	3522-14.00PN	3500-HIT17	3500-HIT17

Accessori non inclusi nel prezzo.


INSERTO LIBERO


		€	D1 mm	L mm		mm	Accessori			
										
UNC N°6 - 32	3532-6GX1.5DP	4,23	1.50	5.33	10	3.80	3532-6GI	3500-HIT5	3500-TB5	
UNC N°8 - 32	3532-8GX1.5DP	4,46	1.50	6.35	10	4.40	3532-8GI	3500-HIT6	3500-TB6	
UNC N°10 - 24	3532-10GX1.5DP	4,95	1.50	7.11	10	5.20	3532-10GI	3500-HIT7	3500-TB8	
UNC 1/4 - 20	3532-1/4X1.5DP	5,66	1.50	9.65	10	6.70	3532-1/4I	3500-HIT9	3500-TB9	
UNC 5/16 - 18	3532-5/16X1.0DP	6,89	1.00	7.87	10	8.30	3532-5/16I	3500-HIT10	3500-TB12	
UNC 5/16 - 18	3532-5/16X1.5DP	8,31	1.50	11.94	10	8.30	3532-5/16I	3500-HIT10	3500-TB12	
UNC 3/8 - 16	3532-3/8X1.5DP	10,42	1.50	14.22	10	9.90	3532-3/8I	3500-HIT13	3500-TB12	
UNC 3/8 - 16	3532-3/8X2.0DP	13,77	2.00	19.05	10	9.90	3532-3/8I	3500-HIT13	3500-TB12	
UNC 7/16 - 14	3532-7/16X1.5DP	13,94	1.50	16.76	10	11.60	3532-7/16I	3500-HIT14	3500-TB14	
UNC 1/2 - 13	3532-1/2X1.5DP	13,94	1.50	19.05	10	13.00	3532-1/2I	3500-HIT15	3500-TB15	
UNC 5/8 - 11	3532-5/8X1.5DP	14,31	1.50	23.88	5	16.50	3532-5/8I	3500-HIT18	-	
UNC 3/4 - 10	3532-3/4X1.5DP	16,85	1.50	28.70	5	20.00	3532-3/4I	3500-HIT20	-	
UNC 7/8 - 9	3532-7/8X1.5DP	13,16	1.50	33.27	3	23.00	3532-7/8I	3500-HIT22	-	
UNC 1 - 8	3532-1X1.5DP	23,00	1.50	38.10	3	26.25	3532-1I	3500-HIT23	-	


		€	D1 mm	L mm		mm	Accessori			
										
UNF N°10 - 32	3534-10GX1.5DP	5,12	1.50	7.11	10	5.10	3534-10GI	3500-HIT8	3500-TB8	
UNF 1/4 - 28	3534-1/4X1.5DP	5,12	1.50	9.65	10	6.70	3534-1/4I	3500-HIT9	3500-TB9	
UNF 5/16 - 24	3534-5/16X1.5DP	7,25	1.50	11.94	10	8.30	3534-5/16I	3500-HIT11	3500-TB12	
UNF 3/8 - 24	3534-3/8X1.5DP	10,42	1.50	14.22	10	9.80	3534-3/8I	3500-HIT13	3500-TB13	
UNF 7/16 - 20	3534-7/16X1.5DP	13,94	1.50	16.76	10	11.50	3534-7/16I	3500-HIT14	3500-TB14	
UNF 1/2 - 20	3534-1/2X1.5DP	13,94	1.50	19.05	10	13.00	3534-1/2I	3500-HIT15	3500-TB15	
UNF 5/8 - 18	3534-5/8X1.5DP	15,42	1.50	24.13	5	16.50	3534-5/8I	3500-HIT18	-	
UNF 3/4 - 16	3534-3/4X1.5DP	16,85	1.50	28.70	5	19.50	3534-3/4I	3500-HIT21	-	


Accessori non inclusi nel prezzo.


UNC UNF

 **FREE**

 **UNC/UNF**

 **AISI 304**





 **SBAC AS 6734
SBAC AS 8456**

 **SBAC AS 6733
SBAC AS 8455**

...DP

powercoil
by CELESA

Rosa

BSP (GAS)  **FREE**  **BSP**  **AISI 304**  **BS84** **...DP**



		€	D1 mm	L mm		mm	Accessori		
									
BSP 1/8 - 28	3546-1/8X1.5DP	12,16	1.50	4.83	10	10.00	3546-1/8I	3500-HIT14	
BSP 1/4 - 19	3546-1/4X1.5DP	16,66	1.50	9.65	10	13.75	3546-1/4I	3500-HIT16	
BSP 3/8 - 19	3546-3/8X1.5DP	18,90	1.50	14.22	10	17.00	3546-3/8I	3500-HIT20	
BSP 1/2 - 14	3546-1/2X1.5DP	27,13	1.50	19.05	10	21.50	3546-1/2I	3500-HIT23	
BSP 3/4 - 14	3546-3/4X1.5DP	30,30	1.50	28.70	5	27.00	3546-3/4I	3500-HIT24	
BSP 1 - 11	3546-1X1.5DP	55,73	1.50	38.10	3	33.75	3546-1I	3500-HIT27	

Accessori non inclusi nel prezzo.



INSERTI AUTOBLOCCANTE



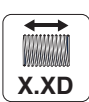








D	L	L	1.0D			1.5D			2.0D			Unit			
			L mm	€	€	L mm	€	€	L mm	€	€				
			<500	500-999	1000-...	<500	500-999	1000-...	<500	500-999	1000-...				
M 2 x 0.40	3520-2.00	2.10	2.00	0,66	0,60	0,54	3.00	0,86	0,76	0,70	4.00	1,01	0,88	0,82	100
M 2.20 x 0.45	3520-2.20	2.30	2.20	0,63	0,56	0,51	3.30	0,82	0,72	0,67	4.40	0,93	0,84	0,79	100
M 2.50 x 0.45	3520-2.50	2.60	2.50	0,42	0,37	0,35	3.75	0,43	0,40	0,38	5.00	0,44	0,41	0,39	100
M 3 x 0.50	3520-3.00	3.20	3.00	0,32	0,28	0,26	4.50	0,37	0,32	0,29	6.00	0,38	0,35	0,32	100
M 3.50 x 0.60	3520-3.50	3.70	3.50	0,38	0,35	0,32	5.25	0,40	0,38	0,36	7.00	0,42	0,40	0,38	100
M 4 x 0.70	3520-4.00	4.20	4.00	0,32	0,29	0,27	6.00	0,37	0,32	0,29	8.00	0,38	0,34	0,30	100
M 5 x 0.80	3520-5.00	5.20	5.00	0,38	0,34	0,30	7.50	0,39	0,35	0,32	10.00	0,42	0,38	0,36	100
M 6 x 1.00	3520-6.00	6.30	6.00	0,41	0,37	0,35	9.00	0,43	0,38	0,36	12.00	0,48	0,43	0,40	100
M 7 x 1.00	3520-7.00	7.30	7.00	0,48	0,43	0,40	10.50	0,58	0,50	0,47	14.00	0,64	0,58	0,51	100
M 8 x 1.00	3521-8.00	8.30	8.00	0,51	0,46	0,43	12.00	0,56	0,47	0,44	16.00	0,65	0,56	0,51	100
M 8 x 1.25	3520-8.00	8.30	8.00	0,42	0,38	0,36	12.00	0,48	0,43	0,40	16.00	0,58	0,48	0,45	100
M 9 x 1.25	3520-9.00	9.40	9.00	1,04	0,92	0,86	13.50	1,33	1,10	1,03	18.00	1,40	1,17	1,08	100
M 10 x 1.00	3523-10.00	10.30	10.00	0,56	0,48	0,45	15.00	0,68	0,59	0,53	20.00	0,70	0,63	0,58	100
M 10 x 1.25	3521-10.00	10.30	10.00	0,53	0,47	0,44	15.00	0,67	0,62	0,58	20.00	0,69	0,66	0,62	100
M 10 x 1.50	3520-10.00	10.40	10.00	0,56	0,47	0,44	15.00	0,67	0,58	0,51	20.00	0,70	0,63	0,59	100
M 11 x 1.50	3520-11.00	11.40	11.00	1,09	0,91	0,85	16.50	1,10	0,93	0,87	22.00	1,11	1,02	0,92	100
M 12 x 1.25	3523-12.00	12.30	12.00	0,89	0,74	0,68	18.00	0,97	0,81	0,75	24.00	1,05	0,93	0,86	100
M 12 x 1.50	3521-12.00	12.40	12.00	0,90	0,79	0,72	18.00	0,98	0,85	0,79	24.00	1,08	1,01	0,91	100
M 12 x 1.75	3520-12.00	12.50	12.00	0,81	0,68	0,64	18.00	0,97	0,82	0,76	24.00	1,05	0,91	0,85	100
M 14 x 1.50	3521-14.00	14.50	14.00	1,24	1,10	1,03	21.00	1,44	1,17	1,08	28.00	1,58	1,31	1,23	50
M 14 x 2.00	3520-14.00	14.50	14.00	1,13	1,01	0,91	21.00	1,30	1,22	1,12	28.00	1,60	1,52	1,41	50
M 16 x 1.50	3521-16.00	16.50	16.00	1,68	1,50	1,42	24.00	1,81	1,62	1,50	32.00	2,18	2,01	1,85	50
M 16 x 2.00	3520-16.00	16.50	16.00	1,56	1,40	1,29	24.00	1,63	1,51	1,40	32.00	2,02	1,88	1,73	50
M 18 x 1.50	3523-18.00	18.50	18.00	2,72	2,26	2,10	27.00	2,76	2,38	2,21	36.00	4,22	3,47	3,18	50
M 18 x 2.00	3521-18.00	18.50	18.00	2,32	2,07	1,92	27.00	2,59	2,42	2,30	36.00	3,53	3,09	2,86	50
M 18 x 2.50	3520-18.00	19.00	18.00	2,34	2,07	1,92	27.00	2,66	2,35	2,17	36.00	3,62	3,27	3,01	50
M 20 x 1.50	3523-20.00	20.50	20.00	3,08	2,68	2,48	30.00	3,64	3,29	3,02	40.00	4,25	3,70	3,39	25
M 20 x 2.00	3521-20.00	20.50	20.00	2,68	2,32	2,14	30.00	3,29	2,91	2,68	40.00	4,22	3,69	3,39	25
M 20 x 2.50	3520-20.00	20.75	20.00	2,81	2,48	2,28	30.00	3,39	3,02	2,78	40.00	4,38	3,87	3,56	25
M 22 x 1.50	3523-22.00	22.50	22.00	3,12	2,96	2,65	33.00	3,50	3,33	2,90	44.00	4,66	4,50	3,51	25
M 22 x 2.00	3521-22.00	22.50	22.00	2,82	2,57	2,36	33.00	3,53	3,18	2,90	44.00	4,47	4,14	3,90	25
M 22 x 2.50	3520-22.00	22.75	22.00	2,93	2,71	2,50	33.00	3,66	3,33	3,07	44.00	4,63	4,23	3,91	25
M 24 x 1.50	3523-24.00	24.50	24.00	3,58	3,39	2,86	36.00	4,10	3,58	3,43	48.00	4,87	4,23	3,99	25
M 24 x 2.00	3521-24.00	24.50	24.00	3,53	3,26	3,05	36.00	4,24	3,90	3,62	48.00	4,69	4,43	4,27	25
M 24 x 3.00	3520-24.00	25.00	24.00	3,70	3,45	3,17	36.00	4,43	4,14	3,80	48.00	4,90	4,60	4,23	25



Ejemplo de codificación:

M 14 x 2.00	3520-14.00x1.0DSL	3520-14.00x1.5DSL
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INSERTI AUTOBLOCCANTE



D	D x P	3520-XXXX	Ø	L mm	2.5D			3.0D			Unit	
					<500	500-999	1000-...	<500	500-999	1000-...		
M	2 x 0.40	3520-2.00	2.10	5.00	1,13	1,01	0,91	6.00	1,42	1,25	1,16	100
M	2.20 x 0.45	3520-2.20	2.30	5.50	1,07	0,93	0,87	6.60	1,34	1,18	1,09	100
M	2.50 x 0.45	3520-2.50	2.60	6.25	0,46	0,43	0,40	9.00	0,56	0,53	0,49	100
M	3 x 0.50	3520-3.00	3.20	7.50	0,43	0,41	0,39	9.00	0,51	0,47	0,44	100
M	3.50 x 0.60	3520-3.50	3.70	8.75	0,48	0,46	0,43	10.50	0,60	0,54	0,50	100
M	4 x 0.70	3520-4.00	4.20	10.00	0,43	0,41	0,39	12.00	0,48	0,44	0,41	100
M	5 x 0.80	3520-5.00	5.20	12.50	0,50	0,47	0,44	15.00	0,62	0,56	0,51	100
M	6 x 1.00	3520-6.00	6.30	15.00	0,60	0,54	0,50	18.00	0,70	0,64	0,60	100
M	7 x 1.00	3520-7.00	7.30	17.50	0,69	0,66	0,62	21.00	0,83	0,79	0,72	100
M	8 x 1.00	3521-8.00	8.30	20.00	0,75	0,67	0,63	24.00	0,91	0,86	0,82	100
M	8 x 1.25	3520-8.00	8.30	20.00	0,69	0,64	0,60	24.00	0,83	0,75	0,69	100
M	9 x 1.25	3520-9.00	9.40	22.50	1,55	1,38	1,27	27.00	2,02	1,85	1,71	100
M	10 x 1.00	3523-10.00	10.30	25.00	0,83	0,71	0,66	30.00	1,13	1,02	0,92	100
M	10 x 1.25	3521-10.00	10.30	25.00	0,84	0,80	0,74	30.00	1,16	1,11	1,04	100
M	10 x 1.50	3520-10.00	10.40	25.00	0,83	0,74	0,68	30.00	1,13	1,04	0,96	100
M	11 x 1.50	3520-11.00	11.40	27.50	1,38	1,26	1,17	33.00	1,69	1,62	1,50	100
M	12 x 1.25	3523-12.00	12.30	30.00	1,35	1,30	1,20	36.00	1,69	1,61	1,58	100
M	12 x 1.50	3521-12.00	12.40	30.00	1,35	1,14	1,06	36.00	1,74	1,72	1,58	100
M	12 x 1.75	3520-12.00	12.50	30.00	1,35	1,29	1,19	36.00	1,69	1,66	1,53	100
M	14 x 1.50	3521-14.00	14.50	35.00	1,93	1,53	1,42	42.00	3,21	3,16	2,92	50
M	14 x 2.00	3520-14.00	14.50	35.00	1,93	1,83	1,69	42.00	2,32	2,25	2,07	50
M	16 x 1.50	3521-16.00	16.50	40.00	2,39	2,24	2,06	48.00	3,09	3,00	2,76	50
M	16 x 2.00	3520-16.00	16.50	40.00	2,43	2,34	2,16	48.00	3,01	2,95	2,72	50
M	18 x 1.50	3523-18.00	18.50	45.00	4,50	3,81	3,52	54.00	5,04	4,43	4,08	50
M	18 x 2.00	3521-18.00	18.50	45.00	4,01	3,54	3,28	54.00	4,69	4,43	4,08	50
M	18 x 2.50	3520-18.00	19.00	45.00	4,12	3,74	3,44	54.00	4,83	4,66	4,18	50
M	20 x 1.50	3523-20.00	20.50	50.00	4,68	4,31	3,96	60.00	5,97	5,46	5,03	25
M	20 x 2.00	3521-20.00	20.50	50.00	4,69	4,33	4,04	60.00	5,97	5,66	5,51	25
M	20 x 2.50	3520-20.00	20.75	50.00	4,86	4,56	4,19	60.00	6,08	5,89	5,42	25
M	22 x 1.50	3523-22.00	22.50	55.00	5,45	4,79	4,41	66.00	6,92	6,64	6,03	25
M	22 x 2.00	3521-22.00	22.50	55.00	5,47	5,20	5,05	66.00	7,86	7,32	7,01	25
M	22 x 2.50	3520-22.00	22.75	55.00	5,67	5,30	4,88	66.00	7,67	7,11	6,54	25
M	24 x 1.50	3523-24.00	24.50	60.00	6,70	5,63	5,19	72.00	8,45	7,15	6,58	25
M	24 x 2.00	3521-24.00	24.50	60.00	6,81	6,16	5,60	72.00	8,13	7,77	7,67	25
M	24 x 3.00	3520-24.00	25.00	60.00	7,11	6,39	5,89	72.00	7,69	7,48	6,88	25

Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.

INSERTI AUTOBLOCCANTE

UNC



LOCK



UNC



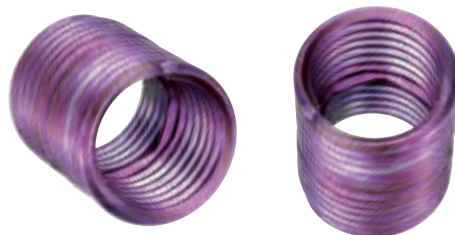
AISI 304



AGS3600

NASM21209
NASM8946

...DSL



		D1 mm		L mm	1.0D			1.5D			2.0D			Unit			
					€	L mm	€	L mm	€	L mm	€						
					<500	500-999	1000-...	<500	500-999	1000-...	<500	500-999	1000-...				
UNC	N°2 - 56	3532-2G	2.18	2.40	2.29	0,82	0,71	0,66	3.30	0,96	0,83	0,78	4.32	1,24	1,07	1,00	100
UNC	N°4 - 40	3532-4G	2.84	3.00	2.79	0,37	0,32	0,29	4.32	0,40	0,35	0,32	5.59	0,42	0,37	0,35	100
UNC	N°5 - 40	3532-5G	3.17	3.40	3.30	0,49	0,43	0,40	4.83	0,51	0,46	0,43	6.35	0,54	0,48	0,45	100
UNC	N°6 - 32	3532-6G	3.50	3.70	3.56	0,32	0,28	0,26	5.33	0,38	0,34	0,30	7.11	0,40	0,36	0,34	100
UNC	N°8 - 32	3532-8G	4.17	4.40	4.06	0,32	0,28	0,26	6.35	0,38	0,34	0,30	8.38	0,40	0,36	0,34	100
UNC	N°10 - 24	3532-10G	4.83	5.10	4.83	0,39	0,35	0,32	7.37	0,42	0,37	0,35	9.65	0,46	0,40	0,38	100
UNC	N°12 - 24	3532-12G	5.49	5.70	5.59	0,43	0,38	0,36	8.13	0,48	0,42	0,40	10.92	0,51	0,44	0,41	100
UNC	1/4 - 20	3532-1/4	6.35	6.70	6.35	0,43	0,38	0,36	9.65	0,48	0,42	0,40	12.70	0,51	0,44	0,41	100
UNC	5/16 - 18	3532-5/16	7.94	8.30	7.87	0,60	0,49	0,46	11.94	0,69	0,60	0,54	15.75	0,72	0,64	0,60	100
UNC	3/8 - 16	3532-3/8	9.52	9.90	9.65	0,84	0,72	0,67	14.48	0,88	0,78	0,71	19.05	1,16	1,02	0,92	100
UNC	7/16 - 14	3532-7/16	11.11	11.60	11.18	0,98	0,85	0,79	16.76	1,18	1,03	0,93	22.35	1,34	1,16	1,07	100
UNC	1/2 - 13	3532-1/2	12.70	13.00	12.70	1,06	0,91	0,85	19.05	1,18	1,03	0,93	25.40	1,34	1,16	1,07	100
UNC	9/16 - 12	3532-9/16	14.28	15.00	14.22	2,61	2,26	2,10	21.34	3,48	3,00	2,76	28.45	4,46	3,86	3,55	50
UNC	5/8 - 11	3532-5/8	15.87	16.50	16.00	2,37	2,04	1,89	23.88	3,16	2,73	2,52	31.75	3,93	3,40	3,13	50
UNC	3/4 - 10	3532-3/4	19.05	19.80	19.05	2,74	2,38	2,21	28.70	3,73	3,23	2,98	38.10	4,65	4,03	3,72	50
UNC	7/8 - 9	3532-7/8	22.22	23.00	22.35	3,81	3,31	3,05	33.53	5,71	4,92	4,55	44.45	7,25	6,27	5,76	25
UNC	1 - 8	3532-1	25.40	26.20	25.40	5,17	4,46	4,12	38.10	7,73	6,68	6,14	50.80	9,82	8,46	7,80	25

Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.



Ejemplo de codificación:

UNC 1/4 - 20



3532-1/4x1.0DSL



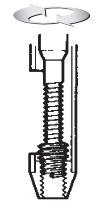
3532-1/4x1.5DSL

INSERTI AUTOBLOCCANTE



D	N°	Part	D1 mm	Ø	2.5D				3.0D				Unit
					L mm	€			L mm	€			
					<500	500-999	1000-...	<500	500-999	1000-...			
UNC	N°2 - 56	3532-2G	2.18	2.40	5.59	1,40	1,20	1,11	6.60	1,50	1,29	1,19	100
UNC	N°4 - 40	3532-4G	2.84	3.00	7.11	0,48	0,42	0,40	8.64	0,60	0,49	0,46	100
UNC	N°5 - 40	3532-5G	3.17	3.40	7.87	0,60	0,49	0,46	9.65	0,82	0,70	0,66	100
UNC	N°6 - 32	3532-6G	3.50	3.70	8.89	0,43	0,38	0,36	10.41	0,50	0,44	0,41	100
UNC	N°8 - 32	3532-8G	4.17	4.40	10.41	0,43	0,38	0,36	12.45	0,50	0,44	0,41	100
UNC	N°10 - 24	3532-10G	4.83	5.10	12.19	0,54	0,47	0,44	14.48	0,66	0,59	0,53	100
UNC	N°12 - 24	3532-12G	5.49	5.70	13.72	0,64	0,56	0,51	16.51	0,78	0,67	0,63	100
UNC	1/4 - 20	3532-1/4	6.35	6.70	16.00	0,64	0,56	0,51	19.05	0,78	0,67	0,63	100
UNC	5/16 - 18	3532-5/16	7.94	8.30	19.81	0,87	0,75	0,69	23.62	1,06	0,91	0,85	100
UNC	3/8 - 16	3532-3/8	9.52	9.90	23.88	1,33	1,14	1,06	28.70	1,56	1,35	1,25	100
UNC	7/16 - 14	3532-7/16	11.11	11.60	27.94	1,60	1,39	1,28	33.53	1,95	1,69	1,56	100
UNC	1/2 - 13	3532-1/2	12.70	13.00	31.75	1,60	1,39	1,28	38.10	1,95	1,69	1,56	100
UNC	9/16 - 12	3532-9/16	14.28	15.00	35.56	5,11	4,42	4,06	42.93	6,16	5,32	4,90	50
UNC	5/8 - 11	3532-5/8	15.87	16.50	39.62	4,69	4,06	3,75	47.75	5,61	4,85	4,46	50
UNC	3/4 - 10	3532-3/4	19.05	19.80	47.75	5,53	4,78	4,40	57.15	6,62	5,72	5,27	50
UNC	7/8 - 9	3532-7/8	22.22	23.00	55.63	8,59	7,41	6,81	66.80	10,42	9,00	8,28	25
UNC	1 - 8	3532-1	25.40	26.20	63.50	11,62	10,02	9,23	76.20	14,09	12,17	11,21	25

Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.



INSERTI AUTOBLOCCANTE

UNF



LOCK



UNF



AISI 304

NASM21209
NASM8846

...DSL



		D1 mm		L mm	1.0D			1.5D			2.0D			Unit		
					€	€	€	€	€	€						
			\emptyset		<500	500-999	1000-...	L mm	<500	500-999	1000-...	L mm	<500	500-999	1000-...	
UNF N°4 - 48	3534-4G	2.84	3.00	2.79	0,74	0,66	0,62	4.32	0,85	0,75	0,69	5.59	1,00	0,87	0,81	100
UNF N°6 - 40	3534-6G	3.50	3.70	3.56	0,74	0,66	0,62	5.33	0,85	0,75	0,69	7.11	1,00	0,87	0,81	100
UNF N°8 - 36	3534-8G	4.17	4.40	4.06	0,74	0,66	0,62	6.35	0,85	0,75	0,69	8.38	1,00	0,87	0,81	100
UNF N°10 - 32	3534-10G	4.83	5.10	4.83	0,42	0,37	0,35	7.37	0,43	0,38	0,36	9.65	0,51	0,44	0,41	100
UNF 1/4 - 28	3534-1/4	6.35	6.60	6.35	0,42	0,37	0,35	9.65	0,43	0,38	0,36	12.70	0,51	0,44	0,41	100
UNF 5/16 - 24	3534-5/16	7.94	8.20	7.87	0,60	0,49	0,46	11.94	0,63	0,51	0,48	16.00	0,72	0,64	0,60	100
UNF 3/8 - 24	3534-3/8	9.52	9.80	9.65	0,85	0,72	0,67	14.48	0,88	0,78	0,71	19.05	1,06	0,91	0,85	100
UNF 7/16 - 20	3534-7/16	11.11	11.50	11.18	1,06	0,91	0,85	16.76	1,18	1,03	0,93	22.35	1,34	1,16	1,07	100
UNF 1/2 - 20	3534-1/2	12.70	13.00	12.70	1,06	0,91	0,85	19.05	1,18	1,03	0,93	25.40	1,34	1,16	1,07	100
UNF 9/16 - 18	3534-9/16	14.29	14.75	14.22	2,33	2,00	1,84	21.34	2,48	2,06	1,91	28.70	2,98	2,56	2,35	50
UNF 5/8 - 18	3534-5/8	15.87	16.50	16.00	2,37	2,01	1,85	23.88	2,48	2,14	1,96	31.75	2,98	2,56	2,35	50
UNF 3/4 - 16	3534-3/4	19.05	19.50	19.05	3,12	2,69	2,49	28.70	4,35	3,75	3,45	38.10	5,26	4,53	4,17	50
UNF 7/8 - 14	3534-7/8	22.22	22.50	22.35	5,31	4,58	4,21	33.27	7,84	6,76	6,22	44.45	9,96	8,59	7,91	25
UNF 1 - 12	3534-1	25.40	26.00	25.40	5,31	4,58	4,21	38.10	7,84	6,76	6,22	50.80	9,96	8,59	7,91	25
UNS 1 - 14	3535-1	25.40	26.00	25.40	5,31	4,63	4,26	38.10	7,84	6,84	6,30	50.80	9,96	8,69	8,00	25

Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.



Ejemplo de codificación:

UNF N°4 - 48

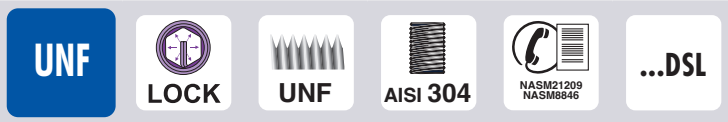










3534-4Gx1.0DSL



3534-4Gx1.5DSL

INSERTI AUTOBLOCCANTE



					 2.5D				 3.0D					Unit
					L mm	€			L mm	€				
						<500	500-999	1000-...		<500	500-999	1000-...		
UNF N°4 - 48		3534-4G	2.84	3.00	7.11	1,12	1,01	0,91	8.64	1,58	1,40	1,29	100	
UNF N°6 - 40		3534-6G	3.50	3.70	8.89	1,12	1,01	0,91	10.41	1,58	1,40	1,29	100	
UNF N°8 - 36		3534-8G	4.17	4.40	10.41	1,12	1,01	0,91	12.45	1,58	1,40	1,29	100	
UNF N°10 - 32		3534-10G	4.83	5.10	12.19	0,64	0,56	0,51	14.48	0,78	0,67	0,63	100	
UNF 1/4 - 28		3534-1/4	6.35	6.60	16.00	0,64	0,56	0,51	19.05	0,78	0,67	0,63	100	
UNF 5/16 - 24		3534-5/16	7.94	8.20	19.81	0,87	0,78	0,71	23.88	1,06	0,91	0,85	100	
UNF 3/8 - 24		3534-3/8	9.52	9.80	23.88	1,30	1,14	1,06	28.70	1,56	1,35	1,25	100	
UNF 7/16 - 20		3534-7/16	11.11	11.50	27.69	1,60	1,40	1,29	33.27	1,95	1,69	1,56	100	
UNF 1/2 - 20		3534-1/2	12.70	13.00	31.75	1,60	1,40	1,29	38.10	1,95	1,69	1,56	100	
UNF 9/16 - 18		3534-9/16	14.29	14.75	35.81	3,62	3,16	2,92	42.93	4,18	3,61	3,33	50	
UNF 5/8 - 18		3534-5/8	15.87	16.50	39.62	3,80	3,35	3,09	47.75	4,18	3,61	3,33	50	
UNF 3/4 - 16		3534-3/4	19.05	19.50	47.75	6,36	5,55	5,11	57.15	7,62	6,58	6,07	50	
UNF 7/8 - 14		3534-7/8	22.22	22.50	55.63	11,46	9,98	9,19	66.80	13,72	11,85	10,92	25	
UNF 1 - 12		3534-1	25.40	26.00	63.50	13,66	11,91	10,97	76.20	16,44	14,21	13,07	25	
UNS 1 - 14		3535-1	25.40	26.00	63.50	13,66	11,91	10,97	76.20	16,44	14,34	13,20	25	




Nota importante: la lunghezza totale dell'inserto è definita per l'inserto una volta assemblato nella parte.








KIT DI INSERTI LIBERI

M
MF

...K

		€		
D	L mm		D	L mm
M 2 x 0.40	3520-2.00K	55,03	1.50	3.00
M 2.20 x 0.45	3520-2.20K	73,67	1.50	3.30
M 2.50 x 0.45	3520-2.50K	50,87	1.50	3.75
M 3 x 0.50	3520-3.00K	50,87	1.50	4.50
M 3.50 x 0.60	3520-3.50K	50,87	1.50	5.25
M 4 x 0.70	3520-4.00K	50,87	1.50	6.00
M 5 x 0.80	3520-5.00K	50,62	1.50	7.50
M 6 x 1.00	3520-6.00K	54,52	1.50	9.00
M 7 x 1.00	3520-7.00K	69,32	1.50	10.50
M 8 x 1.00	3521-8.00K	69,32	1.50	12.00
M 8 x 1.25	3520-8.00K	69,32	1.50	12.00
M 9 x 1.25	3520-9.00K	76,89	1.50	13.50
M 10 x 1.00	3523-10.00K	74,24	1.50	15.00
M 10 x 1.25	3521-10.00K	74,24	1.50	15.00
M 10 x 1.50	3520-10.00K	74,24	1.50	15.00
M 11 x 1.00	3523-11.00K	102,89	1.50	16.50
M 11 x 1.25	3521-11.00K	102,89	1.50	16.50
M 11 x 1.50	3520-11.00K	85,11	1.50	16.50
M 12 x 1.00	3524-12.00K	85,11	1.50	18.00
M 12 x 1.25	3523-12.00K	85,11	1.50	18.00
M 12 x 1.50	3521-12.00K	85,11	1.50	18.00
M 12 x 1.75	3520-12.00K	85,11	1.50	18.00
M 13 x 1.25	3523-13.00K	122,49	1.50	19.50
M 13 x 1.50	3521-13.00K	122,49	1.50	19.50
M 13 x 1.75	3520-13.00K	122,49	1.50	19.50
M 14 x 1.00	3524-14.00K	97,84	1.50	21.00
M 14 x 1.25	3523-14.00K	97,84	1.50	21.00
M 14 x 1.50	3521-14.00K	97,84	1.50	21.00
M 14 x 2.00	3520-14.00K	97,84	1.50	21.00
M 15 x 1.50	3521-15.00K	146,40	1.50	22.50
M 15 x 2.00	3520-15.00K	146,40	1.50	22.50
M 16 x 1.50	3521-16.00K	115,24	1.50	24.00
M 16 x 2.00	3520-16.00K	115,24	1.50	24.00
M 18 x 1.50	3523-18.00K	136,89	1.50	27.00

				
mm	mm	mm	mm	mm
Contenuto				
20	2.10	3520-2.00I	3500-HIT2	3500-TB2
20	2.30	3520-2.20I	3500-HIT2	3500-TB2
20	2.60	3520-2.50I	3500-HIT3	3500-TB3
20	3.20	3520-3.00I	3500-HIT4	3500-TB4
20	3.70	3520-3.50I	3500-HIT5	3500-TB5
20	4.20	3520-4.00I	3500-HIT6	3500-TB6
20	5.20	3520-5.00I	3500-HIT8	3500-TB8
20	6.30	3520-6.00I	3500-HIT9	3500-TB9
20	7.30	3520-7.00I	3500-HIT10	3500-TB11
20	8.30	3521-8.00I	3500-HIT11	3500-TB12
20	8.30	3520-8.00I	3500-HIT11	3500-TB12
15	9.40	3520-9.00I	3500-HIT13	3500-TB12
15	10.30	3523-10.00I	3500-HIT13	3500-TB13
15	10.30	3521-10.00I	3500-HIT13	3500-TB13
15	10.40	3520-10.00I	3500-HIT13	3500-TB13
10	11.30	3523-11.00I	3500-HIT14	3500-TB14
10	11.30	3521-11.00I	3500-HIT14	3500-TB14
10	11.40	3520-11.00I	3500-HIT14	3500-TB14
10	12.30	3524-12.00I	3500-HIT15	3500-TB15
10	12.30	3523-12.00I	3500-HIT15	3500-TB15
10	12.40	3521-12.00I	3500-HIT15	3500-TB15
10	12.50	3520-12.00I	3500-HIT15	3500-TB15
10	—	3523-13.00I	3500-HIT15	—
10	—	3521-13.00I	3500-HIT15	—
10	—	3520-13.00I	3500-HIT15	—
10	—	3524-14.00I	3500-HIT16	—
10	—	3523-14.00I	3500-HIT16	—
10	—	3521-14.00I	3500-HIT16	—
10	—	3520-14.00I	3500-HIT16	—
10	—	3521-15.00I	3500-HIT16	—
10	—	3520-15.00I	3500-HIT16	—
10	—	3521-16.00I	3500-HIT18	—
10	—	3520-16.00I	3500-HIT18	—
5	—	3523-18.00I	3500-HIT20	—




KIT DI INSERTI LIBERI





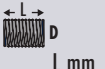
**M
MF**


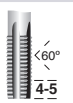



...K

		€	
M			D L mm
M 18 x 2.00	3521-18.00K	136,89	1.50 27.00
M 18 x 2.50	3520-18.00K	139,55	1.50 27.00
M 20 x 1.50	3523-20.00K	149,23	1.50 30.00
M 20 x 2.00	3521-20.00K	149,23	1.50 30.00
M 20 x 2.50	3520-20.00K	149,23	1.50 30.00
M 22 x 1.50	3523-22.00K	171,38	1.50 33.00
M 22 x 2.00	3521-22.00K	171,38	1.50 33.00
M 22 x 2.50	3520-22.00K	171,38	1.50 33.00
M 24 x 1.50	3523-24.00K	196,60	1.50 36.00
M 24 x 2.00	3521-24.00K	196,60	1.50 36.00
M 24 x 3.00	3520-24.00K	196,60	1.50 36.00

		
Contenuto		
5	3521-18.00I	3500-HIT20
5	3520-18.00I	3500-HIT20
5	3523-20.00I	3500-HIT21
5	3521-20.00I	3500-HIT21
5	3520-20.00I	3500-HIT21
5	3523-22.00I	3500-HIT22
5	3521-22.00I	3500-HIT22
5	3520-22.00I	3500-HIT22
5	3523-24.00I	3500-HIT23
5	3521-24.00I	3500-HIT23
5	3520-24.00I	3500-HIT23

		€	
M			D L mm
M 26 x 1.50	3523-26.00K	397,85	1.50 39.00
M 27 x 1.50	3523-27.00K	397,85	1.50 40.50
M 27 x 2.00	3521-27.00K	397,85	1.50 40.50
M 27 x 3.00	3520-27.00K	397,85	1.50 40.50
M 28 x 1.50	3523-28.00K	461,01	1.50 42.00
M 30 x 1.50	3523-30.00K	482,33	1.50 45.00
M 30 x 2.00	3521-30.00K	507,60	1.50 45.00
M 30 x 3.50	3520-30.00K	482,33	1.50 45.00
M 33 x 2.00	3521-33.00K	503,66	1.50 49.50
M 33 x 3.50	3520-33.00K	503,66	1.50 49.50
M 36 x 1.50	3524-36.00K	558,94	1.50 54.00
M 36 x 2.00	3523-36.00K	558,94	1.50 54.00
M 36 x 3.00	3521-36.00K	558,94	1.50 54.00
M 36 x 4.00	3520-36.00K	558,94	1.50 54.00
M 39 x 3.00	3521-39.00K	563,25	1.50 58.50
M 39 x 4.00	3520-39.00K	572,24	1.50 58.50
M 40 x 3.00	3523-40.00K	607,94	1.50 60.00
M 42 x 3.00	3523-42.00K	629,81	1.50 63.00
M 42 x 4.50	3520-42.00K	629,81	1.50 63.00
M 45 x 3.00	3523-45.00K	812,23	1.50 67.50
M 45 x 4.50	3520-45.00K	702,39	1.50 67.50
M 48 x 3.00	3523-48.00K	799,71	1.50 72.00
M 48 x 5.00	3520-48.00K	842,29	1.50 72.00
M 50 x 3.00	3523-50.00K	891,84	1.50 75.00
M 52 x 3.00	3523-52.00K	934,44	1.50 78.00
M 52 x 5.00	3520-52.00K	934,44	1.50 78.00

		
Contenuto		
5	3523-26.00I	3500-HIT24
5	3523-27.00I	3500-HIT24
5	3521-27.00I	3500-HIT24
5	3520-27.00I	3500-HIT24
5	3523-28.00I	3500-HIT24
5	3523-30.00I	3500-HIT26
5	3521-30.00I	3500-HIT26
5	3520-30.00I	3500-HIT25
5	3521-33.00I	3500-HIT26
5	3520-33.00I	3500-HIT26
3	3524-36.00I	3500-HIT28
3	3523-36.00I	3500-HIT28
3	3521-36.00I	3500-HIT28
5	3520-36.00I	3500-HIT28
3	3521-39.00I	3521-39.00HIM
3	3520-39.00I	3520-39.00HIM
3	3523-40.00I	3523-40.00HIM
3	3523-42.00I	3523-42.00HIM
3	3520-42.00I	3520-42.00HIM
3	3523-45.00I	3523-45.00HIM
3	3520-45.00I	3520-45.00HIM
3	3523-48.00I	3523-48.00HIM
3	3520-48.00I	3520-48.00HIM
3	3523-50.00I	3523-50.00HIM
3	3520-50.00I	3520-50.00HIM
3	3523-52.00I	3523-52.00HIM
3	3520-52.00I	3520-52.00HIM



KIT DE REPARACIÓN DE INSERTOS LIBRES

UNC

FREE

UNC

1.5D




AISI 304



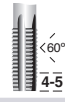


HSS




HSS



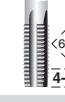


...K



		€		D	L mm
UNC N°2 - 56	3532-2GK	72,18	1.50	3.30	
UNC N°3 - 48	3532-3GK	69,13	1.50	3.81	
UNC N°4 - 40	3532-4GK	65,47	1.50	4.32	
UNC N°5 - 40	3532-5GK	65,47	1.50	4.83	
UNC N°6 - 32	3532-6GK	65,47	1.50	5.33	
UNC N°8 - 32	3532-8GK	65,47	1.50	6.35	
UNC N°10 - 24	3532-10GK	65,47	1.50	7.11	
UNC N°12 - 24	3532-12GK	65,47	1.50	8.38	
UNC 1/4 - 20	3532-1/4K	58,99	1.50	9.65	
UNC 5/16 - 18	3532-5/16K	72,18	1.50	11.94	
UNC 3/8 - 16	3532-3/8K	77,15	1.50	14.22	
UNC 7/16 - 14	3532-7/16K	86,63	1.50	16.76	
UNC 1/2 - 13	3532-1/2K	95,07	1.50	19.05	
UNC 9/16 - 12	3532-9/16K	126,92	1.50	21.34	
UNC 5/8 - 11	3532-5/8K	126,92	1.50	23.88	
UNC 3/4 - 10	3532-3/4K	161,77	1.50	28.70	
UNC 7/8 - 9	3532-7/8K	196,60	1.50	33.27	
UNC 1 - 8	3532-1K	195,33	1.50	38.10	

					Contenido
mm	$\lt; 60^\circ$ 4-5				
20	2.40	3532-2GI	3500-HIT2	3500-TB2	
20	2.70	3532-3GI	3500-HIT3	3500-TB3	
20	3.10	3532-4GI	3500-HIT4	3500-TB4	
20	3.40	3532-5GI	3500-HIT4	3500-TB4	
20	3.80	3532-6GI	3500-HIT5	3500-TB5	
20	4.40	3532-8GI	3500-HIT6	3500-TB6	
20	5.20	3532-10GI	3500-HIT7	3500-TB8	
20	5.80	3532-12GI	3500-HIT8	3500-TB8	
20	6.70	3532-1/4I	3500-HIT9	3500-TB9	
20	8.30	3532-5/16I	3500-HIT10	3500-TB12	
15	9.90	3532-3/8I	3500-HIT13	3500-TB12	
10	11.60	3532-7/16I	3500-HIT14	3500-TB14	
10	13.00	3532-1/2I	3500-HIT15	3500-TB15	
10	—	3532-9/16I	3500-HIT16	—	
10	—	3532-5/8I	3500-HIT18	—	
5	—	3532-3/4I	3500-HIT20	—	
5	—	3532-7/8I	3500-HIT22	—	
5	—	3532-1I	3500-HIT23	—	

		€		D	L mm
UNC 1.1/8 - 7	3532-1.1/8K	393,75	1.50	42.93	
UNC 1.1/4 - 7	3532-1.1/4K	438,04	1.50	47.75	
UNC 1.3/8 - 6	3532-1.3/8K	526,62	1.50	52.32	
UNC 1.1/2 - 6	3532-1.1/2K	613,58	1.50	57.15	

					Contenido
mm	$\lt; 60^\circ$ 4-5				
3	—	3532-1.1/8I	3500-HIT25	—	
3	—	3532-1.1/4I	3500-HIT26	—	
3	—	3532-1.3/8I	3500-HIT27	—	
3	—	3532-1.1/2I	3500-HIT28	—	

KIT DE REPARACIÓN DE INSERTOS LIBRES



UNF

FREE

UNF



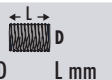

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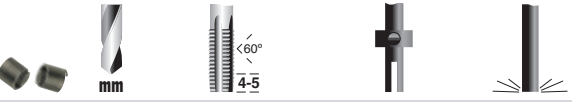
AIISI 304

HSS

HSS

...K

		€							
			D	L mm	Contenido				
UNF N°3 - 56	3534-3GK	72,05	1.50	3.30	20	2.70	3534-3GI	3500-HIT3	3500-TB3
UNF N°4 - 48	3534-4GK	65,47	1.50	3.81	20	3.00	3534-4GI	3500-HIT4	3500-TB4
UNF N°6 - 40	3534-6GK	65,47	1.50	4.32	20	3.80	3534-6GI	3500-HIT5	3500-TB5
UNF N°8 - 36	3534-8GK	65,47	1.50	4.83	20	4.40	3534-8GI	3500-HIT6	3500-TB6
UNF N°10 - 32	3534-10GK	65,47	1.50	5.33	20	5.10	3534-10GI	3500-HIT8	3500-TB8
UNF N°12 - 28	3534-12GK	71,72	1.50	6.35	20	5.60	3534-12GI	3500-HIT8	3500-TB8
UNF 1/4 - 28	3534-1/4K	58,99	1.50	7.11	20	6.70	3534-1/4I	3500-HIT9	3500-TB9
UNF 5/16 - 24	3534-5/16K	72,18	1.50	8.38	20	8.30	3534-5/16I	3500-HIT11	3500-TB12
UNF 3/8 - 24	3534-3/8K	77,15	1.50	9.65	15	9.80	3534-3/8I	3500-HIT13	3500-TB13
UNF 7/16 - 16	3534-7/16-16K	104,96	1.50	11.94	10	11.50	3534-7/16-16I	3500-HIT14	3500-TB14
UNF 7/16 - 20	3534-7/16K	86,63	1.50	14.22	10	11.50	3534-7/16I	3500-HIT14	3500-TB14
UNF 1/2 - 20	3534-1/2K	95,07	1.50	16.76	10	13.00	3534-1/2I	3500-HIT15	3500-TB15
UNF 9/16 - 18	3534-9/16K	126,92	1.50	19.05	10	—	3534-9/16I	3500-HIT16	—
UNF 5/8 - 18	3534-5/8K	126,92	1.50	21.34	10	—	3534-5/8I	3500-HIT18	—
UNF 3/4 - 16	3534-3/4K	161,77	1.50	23.88	5	—	3534-3/4I	3500-HIT21	—
UNF 7/8 - 14	3534-7/8K	196,60	1.50	28.70	5	—	3534-7/8I	3500-HIT22	—
UNF 1 - 12	3534-1K	192,65	1.50	33.27	5	—	3534-1I	3500-HIT23	—
UNF 1 - 14	3535-1K	215,66	1.50	38.10	5	—	3535-1I	3500-HIT23	—

		€							
			D	L mm	Contenido				
UNF 1.1/8 - 12	3534-1.1/8K	393,75	1.50	42.93	3	—	3534-1.1/8I	3500-HIT25	—
UNF 1.1/4 - 12	3534-1.1/4K	438,04	1.50	47.75	3	—	3534-1.1/4I	3500-HIT26	—
UNF 1.3/8 - 12	3534-1.3/8K	526,62	1.50	52.32	3	—	3534-1.3/8I	3500-HIT27	—
UNF 1.1/2 - 12	3534-1.1/2K	613,58	1.50	57.15	3	—	3534-1.1/2I	3500-HIT28	—

KIT DE REPARACIÓN DE INSERTOS LIBRES

BSW

FREE

BSW

1.5D





AISI 304

HSS

HSS

...K



		€							
			D	L mm	Contenido				
BSW 1/8 - 40	3528-1/8K	67,22	1.50	4.83	20	3.40	3528-1/8I	3500-HIT4	3500-TB4
BSW 3/16 - 24	3528-3/16K	65,47	1.50	7.11	20	5.00	3528-3/16I	3500-HIT7	3500-TB8
BSW 1/4 - 20	3528-1/4K	60,56	1.50	9.65	20	6.70	3528-1/4I	3500-HIT9	3500-TB9
BSW 5/16 - 18	3528-5/16K	72,18	1.50	11.94	20	8.30	3528-5/16I	3500-HIT10	3500-TB11
BSW 3/8 - 16	3528-3/8K	77,15	1.50	14.22	15	9.90	3528-3/8I	3500-HIT11	3500-TB12
BSW 7/16 - 14	3528-7/16K	86,63	1.50	16.76	10	11.50	3528-7/16I	3500-HIT14	3500-TB14
BSW 1/2 - 12	3528-1/2K	95,07	1.50	19.05	10	13.00	3528-1/2I	3500-HIT15	3500-TB15
BSW 9/16 - 12	3528-9/16K	126,92	1.50	21.34	10	–	3528-9/16I	3500-HIT16	–
BSW 5/8 - 11	3528-5/8K	126,92	1.50	23.88	10	–	3528-5/8I	3500-HIT18	–
BSW 3/4 - 10	3528-3/4K	161,77	1.50	28.70	5	–	3528-3/4I	3500-HIT20	–
BSW 7/8 - 9	3528-7/8K	196,60	1.50	33.27	5	–	3528-7/8I	3500-HIT22	–
BSW 1 - 8	3528-1K	195,33	1.50	38.10	5	–	3528-1I	3500-HIT23	–

BSF

FREE

BSF





1.5D

AISI 304

HSS

HSS

...K

		€							
			D	L mm	Contenido				
BSF 3/16 - 32	3530-3/16K	65,47	1.50	7.11	20	5.0	3530-3/16I	3500-HIT8	3500-TB6
BSF 1/4 - 26	3530-1/4K	58,99	1.50	9.65	20	6.6	3530-1/4I	3500-HIT9	3500-TB9
BSF 5/16 - 22	3530-5/16K	72,18	1.50	11.94	20	8.3	3530-5/16I	3500-HIT11	3500-TB11
BSF 3/8 - 20	3530-3/8K	77,15	1.50	14.22	15	9.9	3530-3/8I	3500-HIT13	3500-TB12
BSF 7/16 - 18	3530-7/16K	86,63	1.50	16.76	10	11.5	3530-7/16I	3500-HIT14	3500-TB14
BSF 1/2 - 16	3530-1/2K	95,07	1.50	19.05	10	13.0	3530-1/2I	3500-HIT15	3500-TB15
BSF 9/16 - 16	3530-9/16K	126,92	1.50	21.34	10	–	3530-9/16I	3500-HIT16	–
BSF 5/8 - 14	3530-5/8K	126,92	1.50	23.88	10	–	3530-5/8I	3500-HIT18	–
BSF 3/4 - 12	3530-3/4K	161,77	1.50	28.70	5	–	3530-3/4I	3500-HIT20	–
BSF 7/8 - 11	3530-7/8K	196,60	1.50	33.27	5	–	3530-7/8I	3500-HIT22	–
BSF 1 - 10	3530-1K	198,40	1.50	38.10	5	–	3530-1I	3500-HIT23	–

KIT DE REPARACIÓN DE INSERTOS LIBRES



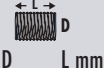




**BSP
(GAS)**



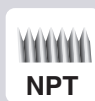




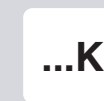




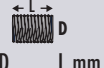
powercoil
by CELESA



Rosa

		€	
			D L mm
BSP 1/8 - 28	3546-1/8K	105,01	1.50 4.83
BSP 1/4 - 19	3546-1/4K	110,89	1.50 9.65
BSP 3/8 - 19	3546-3/8K	127,45	1.50 14.22
BSP 1/2 - 14	3546-1/2K	167,53	1.50 19.05
BSP 5/8 - 14	3546-5/8K	343,92	1.50 23.88
BSP 3/4 - 14	3546-3/4K	360,35	1.50 28.70
BSP 7/8 - 14	3546-7/8K	482,33	1.50 33.27
BSP 1 - 11	3546-1K	482,33	1.50 38.10

 <math><55^\circ</math> 4-5					
Contenido					
10	3546-1/8I	3500-HIT14	10	3546-1/4I	3500-HIT16
10	3546-3/8I	3500-HIT20	10	3546-1/2I	3500-HIT23
10	3546-5/8I	3500-HIT23	10	3546-3/4I	3500-HIT24
5	3546-7/8I	3500-HIT27	5	3546-1I	3500-HIT27

		€	
			D L mm
NPT 1/8 - 27	3552-1/8K	255,34	1.50 4,78
NPT 1/4 - 18	3552-1/4K	288,63	1.50 9,53
NPT 3/8 - 18	3552-3/8K	366,37	1.50 14,30
NPT 1/2 - 14	3552-1/2K	478,93	1.50 19,05
NPT 3/4 - 14	3552-3/4K	585,35	1.50 28,58
NPT 1 - 11.1/2	3552-1K	776,90	1.50 38,10

 <math><60^\circ</math> 4-5					
Contenido					
10	3552-1/8I	3500-HIT13	10	3552-1/4I	3500-HIT16
10	3552-3/8I	3500-HIT18	10	3552-1/2I	3500-HIT22
10	3552-3/4I	3500-HIT24	10	3552-1I	3500-HIT27

KIT DE REPARACIÓN DE INSERTOS LIBRES

UNx8



FREE



8-UN



1.5D



AISI 304



HSS

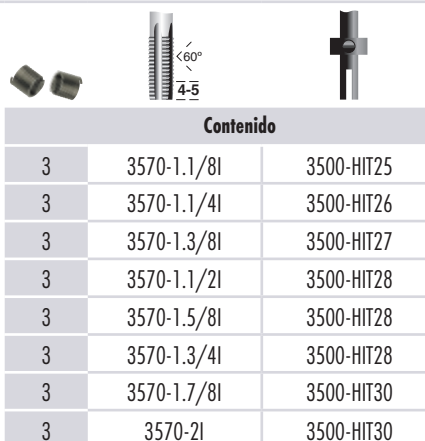


HSS

...K



D	L mm	€	D	L mm	Contenido		
					mm	mm	mm
UN 1.1/8 - 8	3570-1.1/8K	585,35	1.50	42.88	3	3570-1.1/8I	3500-HIT25
UN 1.1/4 - 8	3570-1.1/4K	713,07	1.50	47.63	3	3570-1.1/4I	3500-HIT26
UN 1.3/8 - 8	3570-1.3/8K	883,34	1.50	52.37	3	3570-1.3/8I	3500-HIT27
UN 1.1/2 - 8	3570-1.1/2K	776,90	1.50	57.15	3	3570-1.1/2I	3500-HIT28
UN 1.5/8 - 8	3570-1.5/8K	1.096,19	1.50	61.93	3	3570-1.5/8I	3500-HIT28
UN 1.3/4 - 8	3570-1.3/4K	1.138,76	1.50	66.68	3	3570-1.3/4I	3500-HIT28
UN 1.7/8 - 8	3570-1.7/8K	1.287,75	1.50	71.42	3	3570-1.7/8I	3500-HIT30
UN 2 - 8	3570-2K	1.436,77	1.50	76.20	3	3570-2I	3500-HIT30



BA



FREE



BA



1.5D



AISI 304



HSS



HSS

...K

D	L mm	€	D	L mm	Contenido				
					mm	mm	mm	mm	mm
BA 0	3544-0K	124,99	1.50	8.99	20	6.20	3544-0I	3500-HIT9	3500-TB11
BA 2	3544-2K	124,99	1.50	7.06	20	4.90	3544-2I	3500-HIT7	3500-TB8
BA 4	3544-4K	124,99	1.50	5.41	20	3.80	3544-4I	3500-HIT5	3500-TB5
BA 6	3544-6K	137,34	1.50	4.19	20	2.90	3544-6I	3500-HIT3	3500-TB3

KIT DE REPARACIÓN DE INSERTOS LIBRES



BSB



		€							
			D	L mm	Contenido				
BSB 1/4/26	3560-1/4K	152,97	1.50	9,53	20	6.6	3560-1/4I	3500-HIT10	3500-TB9
BSB 5/16 - 26	3560-5/16K	121,56	1.50	11,91	20	8.0	3560-5/16I	3500-HIT11	3500-TB12
BSB 3/8/26	3560-3/8K	131,69	1.50	14,30	15	9.8	3560-3/8I	3500-HIT13	3500-TB13
BSB 7/16 - 26	3560-7/16K	141,83	1.50	16,66	10	11.1	3560-7/16I	3500-HIT14	3500-TB14
BSB 1/2/26	3560-1/2K	151,97	1.50	19,05	10	12.7	3560-1/2I	3500-HIT15	3500-TB15

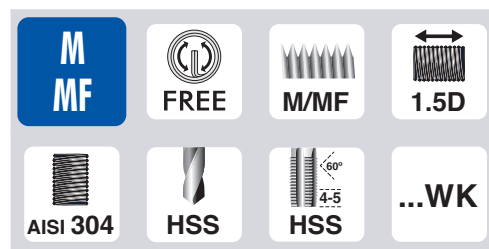
		€						
			D	L mm	Contenido			
M 10 x 1.00	3522-10.00K	110,95	-	1/2"	5	3520-10.00PN	3500-HIT13	3500-TB13
			-	0.339 mm	5	-	-	-
M 12 x 1.25	3522-12.00K	135,23	-	1/2"	5	3522-12.00PN	3500-HIT15	3500-TB15
			-	3/4"	5	-	-	-
M 14 x 1.25	3522-14.00K	121,25	-	3/8"	5	3522-14.00PN	3500-HIT17	-
			-	1/2"	5	-	-	-
			-	3/4"	5	-	-	-
M 18 x 1.50	3522-18.00K	219,53	-	1/2"	5	3522-18.00PN	3500-HIT20	-
M 14 x 1.25	3522-14.00K1	116,98	8.40	-	5	3522-14.00PN	3500-HIT17	-
			12.40	-	5	-	-	-
			16.40	-	5	-	-	-



M14x1,25

M12x1,25

KIT DE REPARACIÓN DE INSERTOS LIBRES



	D	L mm	SET M5 - M12				
			mm	<60° 4-5			
M 5 x 0.80	1.50	7.50	25	5.20	3520-5.001	3500-HIT8	3500-TB8
M 6 x 1.00	1.50	9.00	25	6.30	3520-6.001	3500-HIT9	3500-TB9
M 8 x 1.25	1.50	12.00	25	8.30	3520-8.001	3500-HIT11	3500-TB12
3520-WK1	M 10 x 1.50	1.50	25	10.40	3520-10.001	3500-HIT13	3500-TB13
358,47 €	M 12 x 1.75	1.50	10	12.50	3520-12.001	3500-HIT15	3500-TB15



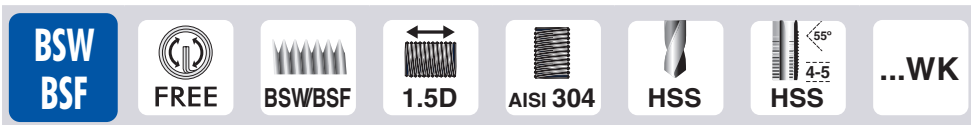
M14x1,25

	D	L mm	SET BUJÍAS					
			mm	<55° 4-5	<60°			
M 6 x 1.00	1.50	9.00	25	6.30	3520-6.001	-	3500-HIT9	3500-TB9
M 8 x 1.25	1.50	12.00	25	8.30	3520-8.001	-	3500-HIT11	3500-TB12
M 10 x 1.50	1.50	15.00	25	10.40	3520-10.001	-	3500-HIT13	3500-TB13
M 12 x 1.75	1.50	18.00	10	12.50	3520-12.001	-	3500-HIT15	3500-TB15
M 14 x 1.25	-	8.40	5	14.25	-	3522-14.00PN	3500-HIT17	-
3522-WK4	-	12.40	5	-	-	-	-	-
413,08 €	-	16.40	5	-	-	-	-	-

KIT DE REPARACIÓN DE INSERTOS LIBRES



	D	L mm	SET UNC 1/4" - 1/2"				
			mm	Flutes	Code	Code	
UNC 1/4 - 20	1.50	9.65	25	6.70	3532-1/4I	3500-HIT9	3500-TB9
UNC 5/16 - 18	1.50	11.94	25	8.30	3532-5/16I	3500-HIT10	3500-TB12
UNC 3/8 - 16	1.50	14.48	25	9.90	3532-3/8I	3500-HIT13	3500-TB12
3532-WK1	UNC 7/16 - 14	1.50	10	11.60	3532-7/16I	3500-HIT14	3500-TB14
447,97 €	UNC 1/2 - 13	1.50	10	13.00	3532-1/2I	3500-HIT15	3500-TB15
			SET UNF 1/4" - 1/2"				
UNF 1/4 - 28	1.50	9.65	25	6.70	3534-1/4I	3500-HIT9	3500-TB9
UNF 5/16 - 24	1.50	11.94	25	8.30	3534-5/16I	3500-HIT11	3500-TB12
UNF 3/8 - 24	1.50	14.48	25	9.80	3534-3/8I	3500-HIT13	3500-TB12
3534-WK1	UNF 7/16 - 20	1.50	10	11.50	3534-7/16I	3500-HIT14	3500-TB14
447,97 €	UNF 1/2 - 20	1.50	10	13.00	3534-1/2I	3500-HIT15	3500-TB15



	D	L mm	SET BSW 1/4" - 1/2"				
			mm	Flutes	Code	Code	
BSW 1/4 - 20	1.50	9.65	25	6.70	3528-1/4I	3500-HIT9	3500-TB9
BSW 5/16 - 18	1.50	11.94	25	8.30	3528-5/16I	3500-HIT10	3500-TB11
BSW 3/8 - 16	1.50	14.48	25	10.00	3528-3/8I	3500-HIT11	3500-TB12
3528-WK1	BSW 7/16 - 14	1.50	10	11.60	3528-7/16I	3500-HIT14	3500-TB14
447,97 €	BSW 1/2 - 12	1.50	10	13.00	3528-1/2I	3500-HIT15	3500-TB15
			SET BSF 1/4" - 1/2"				
BSF 1/4 - 26	1.50	9.65	25	6.60	3530-1/4I	3500-HIT9	3500-TB9
BSF 5/16 - 22	1.50	11.94	25	8.30	3530-5/16I	3500-HIT11	3500-TB11
BSF 3/8 - 20	1.50	14.48	25	9.80	3530-3/8I	3500-HIT13	3500-TB12
3530-WK1	BSF 7/16 - 18	1.50	10	11.60	3530-7/16I	3500-HIT14	3500-TB14
447,97 €	BSF 1/2 - 16	1.50	10	13.25	3530-1/2I	3500-HIT15	3500-TB15

EXPOSITORES DE INSERTOS LIBRES

M
MF

FREE

AISI 304



330 x 360 x 515 mm

CONTENIDO DEL EXPOSITOR

ESTUCHES

		
4	M 3x0.5	3520-3.00K
4	M 4x0.7	3520-4.00K
4	M 5x0.8	3520-5.00K
3	M 6x1.0	3520-6.00K
3	M 8x1.25	3520-8.00K
3	M 10x1.5	3520-10.00K
2	M 12x1.75	3520-12.00K
2	M 14x2.0	3520-14.00K
BUJÍA		
2	M 14x1.25	3522-14.00K







1-87

1.859,70 €

CONTENIDO DEL EXPOSITOR

ESTUCHES

BLISTERS

					
4	M 3x0.5	3520-3.00K	5	M 4x0.7-1.5D	3520-4.00x1.5DP
4	M 4x0.7	3520-4.00K	5	M 5x0.8-1.5D	3520-5.00x1.5DP
4	M 5x0.8	3520-5.00K	5	M 6x1.0-1.5D	3520-6.00x1.5DP
4	M 6x1.0	3520-6.00K	5	M 8x1.25-1.5D	3520-8.00x1.5DP
3	M 8x1.25	3520-8.00K	5	M 10x1.50-1.5D	3521-10.00x1.5DP
3	M 10x1.5	3520-10.00K	5	M 12x1.75-1.5D	3520-12.00x1.5DP

1-88

1.431,60 €



330 x 360 x 515 mm

EXPOSITORES DE INSERTOS LIBRES



330 x 360 x 515 mm

CONTENIDO DEL EXPOSITOR

ESTUCHES			BLISTERS		
			5	M 3x0.5-1.5D	3520-3.00x1.5DP
			5	M 4x0.7-1.5D	3520-4.00x1.5DP
4	M5x0.8	3520-5.00K	5	M 5x0.8-1.5D	3520-5.00x1.5DP
			5	M 6x1.0-1.0D	3520-6.00x1.0DP
4	M6x1.0	3520-6.00K	5	M 6x1.0-1.5D	3520-6.00x1.5DP
3	M8x1.25	3520-8.00K	3	M 8x1.25-1.0D	3520-8.00x1.0DP
			5	M 8x1.25-2.0D	3520-8.00x2.0DP
			5	M 10x1.5-1.5D	3520-10.00x1.5DP
			5	M 10x1.5-2.0D	3521-10.00x2.0DP
			5	M 12x1.75-1.5D	3520-12.00x1.5DP
			3	M 16x2.0-1.5D	3520-16.00x1.5DP
BUJÍA					
			5	M 14x1.25-1/2"	M14x1.25-1/2P

1-89

1.014,07 €

INSERTOS LIBRES EN CARRETE

M
MF

FREE

M/MF

AISI 304

BS7752
DIN6140NASM3279
NASM3280
NASM3281 LNS039

...DIR



D	L	L	1.0D		1.5D		2.0D	
			L mm	€	L mm	€	L mm	€
M 2.20 x 0.45	3520-2.20	1000	2.20	433,63	3.30	439,91	4.40	474,47
M 2.50 x 0.45	3520-2.50	1000	2.50	207,70	3.75	223,10	5.00	251,38
M 3 x 0.50	3520-3.00	1000	3.00	194,83	4.50	223,10	6.00	241,94
M 4 x 0.70	3520-4.00	1000	4.00	191,68	6.00	204,24	8.00	226,23
M 5 x 0.80	3520-5.00	1000	5.00	191,68	7.50	226,55	10.00	245,57
M 6 x 1.00	3520-6.00	500	6.00	118,68	9.00	127,41	12.00	165,60
M 8 x 1.00	3521-8.00	250	8.00	89,17	12.00	95,17	16.00	120,89
M 8 x 1.25	3520-8.00	250	8.00	75,01	12.00	82,31	16.00	113,17
M 10 x 1.50	3520-10.00	250	10.00	99,78	15.00	113,17	20.00	131,19
M 12 x 1.75	3520-12.00	125	12.00	70,77	18.00	83,86	24.00	99,02



Ejemplo de codificación:

M 6 x 1.00

1.0D

3520-6.00x1.0DIR

1.5D

3520-6.00x1.5DIR

2.0D

3520-6.00x2.0DIR

INSERTOS LIBRES EN CARRETE

UNC FREE UNC AISI 304 SBAC AS 6733 NASM122076 - NASM122275 NASM8846 ...DIR



			1.0D	1.5D	2.0D			
			L mm	€	L mm	€	L mm	€
UNC	Nº2 - 56	3532-2G	1000	2.29 574,14	3.30 672,16	4.32 868,19		
UNC	Nº4 - 40	3532-4G	1000	2.79 210,09	4.32 219,26	5.59 224,05		
UNC	Nº5 - 40	3532-5G	1000	3.30 231,05	4.83 245,05	6.35 259,07		
UNC	Nº6 - 32	3532-6G	1000	3.56 208,18	5.33 233,15	7.11 249,82		
UNC	Nº8 - 32	3532-8G	1000	4.06 208,18	6.35 233,15	8.38 249,82		
UNC	Nº10 - 24	3532-10G	1000	4.83 224,05	7.37 235,20	9.65 245,05		
UNC	1/4 - 20	3532-1/4	500	6.35 145,25	9.65 162,84	12.70 176,04		
UNC	5/16 - 18	3532-5/16	250	7.87 110,03	11.94 132,53	15.75 140,03		
UNC	3/8 - 16	3532-3/8	250	9.65 170,04	14.48 194,65	19.30 222,56		

UNF FREE UNF AISI 304 SBAC AS 6733 NASM124551-124850 NASM9645 SBAC8455 ...DIR

			1.0D	1.5D	2.0D			
			L mm	€	L mm	€	L mm	€
UNF	Nº4 - 48	3534-4G	1000	2.79 512,69	4.32 581,97	5.59 775,97		
UNF	Nº6 - 40	3534-6G	1000	3.56 512,69	5.33 581,97	7.11 775,97		
UNF	Nº8 - 36	3534-8G	1000	4.06 512,69	6.35 581,97	8.38 775,97		
UNF	Nº10 - 32	3534-10G	1000	4.83 221,70	7.37 228,64	9.65 277,14		
UNF	1/4 - 28	3534-1/4	500	6.35 143,69	9.65 154,57	12.70 174,20		
UNF	5/16 - 24	3534-5/16	250	7.87 108,87	11.94 116,29	15.75 138,56		
UNF	3/8 - 24	3534-3/8	250	9.65 160,84	14.48 168,26	19.30 202,90		



Ejemplo de codificación:

UNC 1/4 - 20



3532-1/4x1.0DIR



3532-1/4x1.5DIR



3532-1/4x2.0DIR

INSERTOS AUTOBLOCANTES EN CARRETE

M
MF

LOCK

M/MF

AISI 304

NASM3329 NASM3330
NASM3331
LN9499 NASM8846BS7751
DIN8140

...DIRSL



D	L	L	1.0D		1.5D		2.0D	
			L mm	€	L mm	€	L mm	€
M 2.20 x 0.45	3520-2.20	1000	2.20	537,35	3.30	628,43	4.40	659,86
M 2.50 x 0.45	3520-2.50	1000	2.50	277,35	3.75	284,31	5.00	377,07
M 3 x 0.50	3520-3.00	1000	3.00	238,83	4.50	274,56	6.00	314,21
M 4 x 0.70	3520-4.00	1000	4.00	268,70	6.00	282,80	8.00	289,11
M 5 x 0.80	3520-5.00	1000	5.00	268,70	7.50	298,52	10.00	345,64
M 6 x 1.00	3520-6.00	500	6.00	159,38	9.00	166,34	12.00	202,31
M 8 x 1.00	3521-8.00	250	8.00	114,30	12.00	127,39	16.00	145,07
M 8 x 1.25	3520-8.00	250	8.00	95,30	12.00	113,17	16.00	132,33
M 10 x 1.50	3520-10.00	250	10.00	119,74	15.00	155,68	20.00	157,41
M 12 x 1.75	3520-12.00	125	12.00	87,98	18.00	109,68	24.00	119,60



Ejemplo de codificación:

M 3 x 0.50

1.0D

3520-3.00x1.0DIRSL

1.5D

3520-3.00x1.5DIRSL








2.0D

3520-3.00x2.0DIRSL








INSERTOS AUTOBLOCANTES EN CARRETE

UNC LOCK UNC AISI 304 NASN2120B NASM8846 ...DIRSL



				 1.0D		 1.5D		 2.0D	
				L mm	€	L mm	€	L mm	€
UNC	Nº2 - 56	3532-2G	1000	2.29	688,97	3.30	806,59	4.32	1.041,85
UNC	Nº4 - 40	3532-4G	1000	2.79	268,85	4.32	282,85	5.59	307,11
UNC	Nº5 - 40	3532-5G	1000	3.30	310,88	4.83	328,05	6.35	339,94
UNC	Nº6 - 32	3532-6G	1000	3.56	249,82	5.33	279,78	7.11	299,79
UNC	Nº8 - 32	3532-8G	1000	4.06	249,82	6.35	279,78	8.38	299,79
UNC	Nº10 - 24	3532-10G	1000	4.83	268,85	7.37	278,21	9.65	294,07
UNC	1/4 - 20	3532-1/4	500	6.35	176,02	9.65	197,35	12.70	213,35
UNC	5/16 - 18	3532-5/16	250	7.87	135,81	11.94	163,59	15.75	172,84
UNC	3/8 - 16	3532-3/8	250	9.65	209,88	14.48	217,81	19.30	274,70

UNF LOCK UNF AISI 304 NASN2120B NASM8846 ...DIRSL

				 1.0D		 1.5D		 2.0D	
				L mm	€	L mm	€	L mm	€
UNF	Nº4 - 48	3534-4G	1000	2.79	615,24	4.32	698,38	5.59	931,17
UNF	Nº6 - 40	3534-6G	1000	3.56	615,24	5.33	698,38	7.11	931,17
UNF	Nº8 - 36	3534-8G	1000	4.06	615,24	6.35	698,38	8.38	931,17
UNF	Nº10 - 32	3534-10G	1000	4.83	266,05	7.37	274,37	9.65	332,56
UNF	1/4 - 28	3534-1/4	500	6.35	176,15	9.65	188,91	12.70	212,60
UNF	5/16 - 24	3534-5/16	250	7.87	135,81	11.94	145,07	15.75	172,84
UNF	3/8 - 24	3534-3/8	250	9.65	200,62	14.48	209,88	19.30	253,09



Ejemplo de codificación:

UNF 1/4 - 28



3534-1/4x1.0DIRSL



3534-1/4x1.5DIRSL



3534-1/4x2.0DIRSL

HERRAMIENTA DE INSERCIÓN NEUMÁTICA




		€		€		€		€		€
M 2.20 x 0.45	3520-2.20MIP	453,58	3520-2.20MIPM	165,55	3520-2.20MIPN	289,15	3500-MIP1	1.778,53	-	
M 2.50 x 0.45	3520-2.50MIP	289,15	3520-2.50MIPM	104,33	3520-2.50MIPN	185,96	3500-MIP1	1.778,53	-	
M 3 x 0.50	3520-3.00MIP	289,15	3520-3.00MIPM	104,33	3520-3.00MIPN	185,96	3500-MIP1	1.778,53	-	
M 3.50 x 0.60	3520-3.50MIP	453,58	3520-3.50MIPM	165,55	3520-3.50MIPN	289,15	3500-MIP1	1.778,53	-	
M 4 x 0.70	3520-4.00MIP	289,15	3520-4.00MIPM	104,33	3520-4.00MIPN	185,96	3500-MIP1	1.778,53	-	
M 5 x 0.80	3520-5.00MIP	289,15	3520-5.00MIPM	104,33	3520-5.00MIPN	185,96	3500-MIP1	1.778,53	-	
M 6 x 1.00	3520-6.00MIP	289,15	3520-6.00MIPM	104,33	3520-6.00MIPN	185,96	3500-MIP1	1.778,53	-	
M 8 x 1.00	3521-8.00MIP	617,99	3521-8.00MIPM	226,79	3521-8.00MIPN	392,34	-		3500-MIP2	2.122,25
M 8 x 1.25	3520-8.00MIP	617,99	3520-8.00MIPM	226,79	3520-8.00MIPN	392,34	-		3500-MIP2	2.122,25
M 10 x 1.00	3523-10.00MIP	617,99	3523-10.00MIPM	226,79	3523-10.00MIPN	392,34	-		3500-MIP2	2.122,25
M 10 x 1.25	3521-10.00MIP	617,99	3521-10.00MIPM	226,79	3521-10.00MIPN	392,34	-		3500-MIP2	2.122,25
M 10 x 1.50	3520-10.00MIP	617,99	3520-10.00MIPM	226,79	3520-10.00MIPN	392,34	-		3500-MIP2	2.122,25
M 12 x 1.25	3523-12.00MIP	700,77	3523-12.00MIPM	268,75	3523-12.00MIPN	433,16	-		3500-MIP2	2.122,25
M 12 x 1.50	3521-12.00MIP	700,77	3521-12.00MIPM	268,75	3521-12.00MIPN	433,16	-		3500-MIP2	2.122,25
M 12 x 1.75	3520-12.00MIP	700,77	3520-12.00MIPM	268,75	3520-12.00MIPN	433,16	-		3500-MIP2	2.122,25

UTENSILI PNEUMATICI

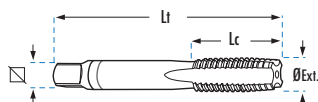


		€		€		€		€		€
UNC N°2 - 56	3532-2GMIP	426,36	3532-2GMIPM	165,55	3532-2GMIPN	261,93	3500-MIP1	1.778,53	-	-
UNC N°4 - 40	3532-4GMIP	289,15	3532-4GMIPM	104,33	3532-4GMIPN	185,96	3500-MIP1	1.778,53	-	-
UNC N°5 - 40	3532-5GMIP	453,58	3532-5GMIPM	165,55	3532-5GMIPN	289,15	3500-MIP1	1.778,53	-	-
UNC N°6 - 32	3532-6GMIP	289,15	3532-6GMIPM	104,33	3532-6GMIPN	185,96	3500-MIP1	1.778,53	-	-
UNC N°8 - 32	3532-8GMIP	289,15	3532-8GMIPM	104,33	3532-8GMIPN	185,96	3500-MIP1	1.778,53	-	-
UNC N°10 - 24	3532-10GMIP	289,15	3532-10GMIPM	104,33	3532-10GMIPN	185,96	3500-MIP1	1.778,53	-	-
UNC N°12 - 24	3532-12GMIP	289,15	3532-12GMIPM	104,33	3532-12GMIPN	185,96	3500-MIP1	1.778,53	-	-
UNC 1/4 - 20	3532-1/4MIP	289,15	3532-1/4MIPM	104,33	3532-1/4MIPN	185,96	3500-MIP1	1.778,53	-	-
UNC 5/16 - 18	3532-5/16MIP	617,99	3532-5/16MIPM	226,79	3532-5/16MIPN	392,34	-	-	3500-MIP2	2.122,25
UNC 3/8 - 16	3532-3/8MIP	617,99	3532-3/8MIPM	226,79	3532-3/8MIPN	392,34	-	-	3500-MIP2	2.122,25
UNC 7/16 - 14	3532-7/16MIP	700,77	3532-7/16MIPM	268,75	3532-7/16MIPN	433,16	-	-	3500-MIP2	2.122,25
UNC 1/2 - 13	3532-1/2MIP	700,77	3532-1/2MIPM	268,75	3532-1/2MIPN	433,16	-	-	3500-MIP2	2.122,25



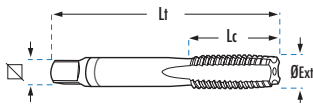
		€		€		€		€		€
UNF N°6 - 40	3534-6GMIPM	453,58	3534-6GMIPM	165,55	3534-6GMIPN	289,15	3500-MIP1	1.778,53	-	-
UNF N°8 - 36	3534-8GMIPM	453,58	3534-8GMIPM	165,55	3534-8GMIPN	289,15	3500-MIP1	1.778,53	-	-
UNF N°10 - 32	3534-10GMIPM	289,15	3534-10GMIPM	104,33	3534-10GMIPN	185,96	3500-MIP1	1.778,53	-	-
UNF 1/4 - 28	3534-1/4MIPM	289,15	3534-1/4MIPM	104,33	3534-1/4MIPN	185,96	3500-MIP1	1.778,53	-	-
UNF 5/16 - 24	3534-5/16MIPM	617,99	3534-5/16MIPM	226,79	3534-5/16MIPN	392,34	-	-	3500-MIP2	2.122,25
UNF 3/8 - 24	3534-3/8MIPM	617,99	3534-3/8MIPM	226,79	3534-3/8MIPN	392,34	-	-	3500-MIP2	2.122,25
UNF 7/16 - 20	3534-7/16MIPM	700,77	3534-7/16MIPM	268,75	3534-7/16MIPN	433,16	-	-	3500-MIP2	2.122,25
UNF 1/2 - 20	3534-1/2MIPM	700,77	3534-1/2MIPM	268,75	3534-1/2MIPN	433,16	-	-	3500-MIP2	2.122,25

MASCHI A MANO E CALIBRI STI



TOLLERANZA				TOL 5H-6H		TOL 5H-6H		TOL 5H-6H		TOL 5H-6H	
MATERIALE				HSS		HSS-V3		HSS-V3		Calibri	
FORMA				HSS		FORMA B		35°			
					€		€		€		€
M 2 x 0.40	2.10	2.52	44x9.5x2.2	3520-2.00I	15,23	3520-2.00SP	20,09	3520-2.00SF	20,09	3520-2.00GC	223,97
M 2.20 x 0.45	2.30	2.78	48x11x2.5	3520-2.20I	18,08	3520-2.20SP	20,09	3520-2.20SF	20,09	3520-2.20GC	250,40
M 2.50 x 0.45	2.60	3.08	48x11x2.5	3520-2.50I	15,23	3520-2.50SP	20,09	3520-2.50SF	20,09	3520-2.50GC	250,40
M 3 x 0.50	3.20	3.65	53x13x3.15	3520-3.00I	13,28	3520-3.00SP	15,23	3520-3.00SF	15,23	3520-3.00GC	181,30
M 3.50 x 0.60	3.70	4.27	53x13x3.55	3520-3.50I	13,28	3520-3.50SP	15,23	3520-3.50SF	15,23	3520-3.50GC	175,96
M 4 x 0.70	4.20	4.90	58x16x4	3520-4.00I	13,28	3520-4.00SP	15,23	3520-4.00SF	15,23	3520-4.00GC	170,65
M 5 x 0.80	5.20	6.03	66x19x5	3520-5.00I	13,28	3520-5.00SP	15,23	3520-5.00SF	15,23	3520-5.00GC	165,32
M 6 x 1.00	6.30	7.29	72x22x6.3	3520-6.00I	13,28	3520-6.00SP	15,23	3520-6.00SF	15,23	3520-6.00GC	159,98
M 7 x 1.00	7.30	8.29	72x22x7.1	3520-7.00I	16,56	3520-7.00SP	19,09	3520-7.00SF	19,09	3520-7.00GC	183,96
M 8 x 1.00	8.30	9.29	80x24x8	3521-8.00I	16,56	3521-8.00SP	19,09	3521-8.00SF	19,09	3521-8.00GC	196,90
M 8 x 1.25	8.30	9.62	80x24x8	3520-8.00I	16,56	3520-8.00SP	19,09	3520-8.00SF	19,09	3520-8.00GC	165,32
M 9 x 1.25	9.40	10.62	85x25x6.3	3520-9.00I	20,29	3520-9.00SP	29,42	3520-9.00SF	29,42	3520-9.00GC	170,65
M 10 x 1.00	10.30	11.29	85x25x6.3	3523-10.00I	20,29	3523-10.00SP	22,96	3523-10.00SF	22,96	3523-10.00GC	223,97
M 10 x 1.25	10.30	11.62	85x25x6.3	3521-10.00I	20,29	3521-10.00SP	28,36	3521-10.00SF	28,36	3521-10.00GC	229,30
M 10 x 1.50	10.40	11.94	89x29x7.1	3520-10.00I	20,29	3520-10.00SP	22,96	3520-10.00SF	22,96	3520-10.00GC	175,96
M 11 x 1.00	11.30	12.29	89x29x7.1	3523-11.00I	27,48	3523-11.00SP	30,59	3523-11.00SF	30,59	3523-11.00GC	234,62
M 11 x 1.25	11.30	12.62	89x29x7.1	3521-11.00I	27,58	3521-11.00SP	30,59	3521-11.00SF	30,59	3521-11.00GC	228,68
M 11 x 1.50	11.40	12.94	89x29x7.1	3520-11.00I	22,96	3520-11.00SP	30,59	3520-11.00SF	30,59	3520-11.00GC	181,30
M 12 x 1.00	12.30	13.29	95x30x9	3524-12.00I	28,04	3524-12.00SP	34,88	3524-12.00SF	34,88	3524-12.00GC	238,37
M 12 x 1.25	12.30	13.62	95x30x9	3523-12.00I	28,04	3523-12.00SP	30,44	3523-12.00SF	30,44	3523-12.00GC	238,37
M 12 x 1.50	12.40	14.13	95x30x9	3521-12.00I	28,04	3521-12.00SP	34,29	3521-12.00SF	34,29	3521-12.00GC	213,29
M 12 x 1.75	12.50	14.27	95x30x9	3520-12.00I	22,96	3520-12.00SP	30,06	3520-12.00SF	30,06	3520-12.00GC	186,64
M 13 x 1.25	13.25	14.62	95x30x9	3521-13.00I	32,16	3521-13.00SP	43,46	3521-13.00SF	43,46	3521-13.00GC	229,30
M 13 x 1.75	13.50	15.27	102x32x10	3520-13.00I	32,16	3520-13.00SP	43,46	3520-13.00SF	43,46	3520-13.00GC	213,53
M 14 x 1.00	14.25	15.29	102x32x10	3524-14.00I	31,89	3524-14.00SP	53,46	3524-14.00SF	53,46	3524-14.00GC	255,97
M 14 x 1.25	14.25	15.62	102x32x10	3523-14.00I	31,89	3523-14.00SP	42,05	3523-14.00SF	42,05	3523-14.00GC	255,97
M 14 x 1.50	14.50	15.94	102x32x10	3521-14.00I	31,89	3521-14.00SP	42,05	3521-14.00SF	42,05	3521-14.00GC	234,62
M 14 x 2.00	14.50	16.59	102x32x10	3520-14.00I	31,89	3520-14.00SP	42,05	3520-14.00SF	42,05	3520-14.00GC	197,32
M 15 x 1.50	15.25	16.94	102x32x10	3521-15.00I	38,08	3521-15.00SP	59,96	3521-15.00SF	59,96	3521-15.00GC	245,31
M 15 x 2.00	15.50	17.59	112x37x11.2	3520-15.00I	38,08	3520-15.00SP	59,96	3520-15.00SF	59,96	3520-15.00GC	230,39
M 16 x 1.50	16.50	17.94	112x37x11.2	3521-16.00I	38,18	3521-16.00SP	53,08	3521-16.00SF	53,08	3521-16.00GC	250,64
M 16 x 2.00	16.50	18.59	112x37x11.2	3520-16.00I	38,18	3520-16.00SP	44,46	3520-16.00SF	44,46	3520-16.00GC	218,64

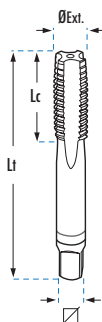
MASCHI A MANO E CALIBRI STI



TOLLERANZA					TOL 5H-6H		TOL 5H-6H		TOL 5H-6H		TOL 5H-6H	
MATERIALE					HSS		HSS-V3		HSS-V3		Calibri	
FORMA												
					€	€	€	€	€	€	€	
Ø Ext.	Lt x Lc x \varnothing											
M 18 x 1.50	18.50	19.94	112x37x11.2	3523-18.00I	48,33	3523-18.00SP	66,96	3523-18.00SF	66,96	3523-18.00GC	254,96	
M 18 x 2.00	18.50	20.59	112x37x11.2	3521-18.00I	48,33	3521-18.00SP	66,96	3521-18.00SF	66,96	3521-18.00GC	261,28	
M 18 x 2.50	19.00	21.24	118x38x12.5	3520-18.00I	48,33	3520-18.00SP	66,96	3520-18.00SF	66,96	3520-18.00GC	234,62	
M 20 x 1.50	20.50	21.94	118x38x12.5	3523-20.00I	53,15	3523-20.00SP	78,88	3523-20.00SF	78,88	3523-20.00GC	303,98	
M 20 x 2.00	20.50	22.59	118x38x12.5	3521-20.00I	53,15	3521-20.00SP	78,88	3521-20.00SF	78,88	3521-20.00GC	277,31	
M 20 x 2.50	20.75	23.24	118x38x12.5	3520-20.00I	53,15	3520-20.00SP	78,88	3520-20.00SF	78,88	3520-20.00GC	250,64	
M 22 x 1.50	22.50	23.94	130x45x14	3523-22.00I	61,14	3523-22.00SP	111,56	3523-22.00SF	111,56	3523-22.00GC	325,03	
M 22 x 2.00	22.50	24.59	130x45x14	3521-22.00I	61,14	3521-22.00SP	111,56	3521-22.00SF	111,56	3521-22.00GC	314,61	
M 22 x 2.50	22.75	25.24	130x45x14	3520-22.00I	61,14	3520-22.00SP	111,56	3520-22.00SF	111,56	3520-22.00GC	266,61	
M 24 x 1.50	24.50	25.94	130x45x14	3523-24.00I	77,31	3523-24.00SP	133,88	3523-24.00SF	133,88	3523-24.00GC	346,02	
M 24 x 2.00	24.50	26.59	127x37x16	3521-24.00I	77,31	3521-24.00SP	133,88	3521-24.00SF	133,88	3521-24.00GC	314,87	
M 24 x 3.00	25.00	27.89	135x45x16	3520-24.00I	77,31	3520-24.00SP	133,88	3520-24.00SF	133,88	3520-24.00GC	298,62	
M 26 x 1.50	26.50	27.94	127x37x16	3523-26.00I	145,26	-	-	-	-	-	-	
M 27 x 1.50	27.50	28.97	127x37x16	3523-27.00I	171,27	-	-	-	-	-	-	
M 27 x 2.00	27.50	29.59	127x37x16	3521-27.00I	171,27	-	-	-	-	-	-	
M 27 x 3.00	28.00	30.89	151x51x18	3520-27.00I	171,27	-	-	-	-	-	-	
M 28 x 1.50	28.50	29.99	137x37x18	3523-28.00I	190,92	-	-	-	-	-	-	
M 30 x 1.50	30.50	31.96	137x37x18	3523-30.00I	203,73	-	-	-	-	-	-	
M 30 x 2.00	30.50	32.59	137x37x18	3521-30.00I	203,73	-	-	-	-	-	-	
M 30 x 3.50	31.00	34.54	162x57x20	3520-30.00I	203,73	-	-	-	-	-	-	
M 33 x 2.00	33.50	35.59	144x39x20	3521-33.00I	247,38	-	-	-	-	-	-	
M 33 x 3.50	34.00	37.54	170x60x22.4	3520-33.00I	247,38	-	-	-	-	-	-	
M 36 x 1.50	36.50	37.92	149x39x22.4	3524-36.00I	284,42	-	-	-	-	-	-	
M 36 x 2.00	36.50	38.55	149x39x22.4	3523-36.00I	284,42	-	-	-	-	-	-	
M 36 x 3.00	37.00	39.89	170x60x22.4	3521-36.00I	284,42	-	-	-	-	-	-	
M 36 x 4.00	37.00	41.19	170x60x22.4	3520-36.00I	284,42	-	-	-	-	-	-	
M 39x3,00	40.00	42.90	149x39x26	3521-39.00I	392,06	-	-	-	-	-	-	
M 39x4,00	40.25	44.20	187x67x28	3520-39.00I	392,06	-	-	-	-	-	-	
M 40x3,00	41.00	43.90	149x39x26	3523-40.00I	414,77	-	-	-	-	-	-	
M 42x3,00	43.00	45.90	165x45x28	3523-42.00I	426,25	-	-	-	-	-	-	
M 42x4,50	43.50	47.90	187x67x28	3520-42.00I	426,25	-	-	-	-	-	-	
M 45x3,00	46.00	48.90	175x45x31	3523-45.00I	453,84	-	-	-	-	-	-	
M 45x4,50	46.50	50.90	200x70x31	3520-45.00I	453,84	-	-	-	-	-	-	
M 48x3,00	49.00	51.90	175x45x31	3523-48.00I	551,17	-	-	-	-	-	-	
M 48x5,00	49.50	54.50	200x70x31	3520-48.00I	551,17	-	-	-	-	-	-	
M 50x3,00	51.00	53.90	175x45x31	3523-50.00I	596,35	-	-	-	-	-	-	
M 52x3,00	53.00	55.90	193x48x34	3523-52.00I	630,54	-	-	-	-	-	-	
M 52x5,00	53.50	58.50	221x76x34	3520-52.00I	630,54	-	-	-	-	-	-	

MASCHI A MANO E CALIBRI STI

UNC

STI-ISO629
4H5H, BS4377

TOLLERANZA				TOL 2B-3B		TOL 2B-3B		TOL 2B-3B		TOL 2B-3B		
MATERIALE				HSS		HSS-V3		HSS-V3		Calibri		
FORMA				 		 		 				
		Ø Ext.	Lt x Lc x \varnothing		€		€		€		€	
UNC N°2 - 56		2.40	2.77	44x9.5x2.2	3532-2GI	20,29	3532-2GSP	27,70	3532-2GSF	27,70	3532-2GGC	318,54
UNC N°3 - 48		2.70	3.02	44x9.5x2.2	3532-3GI	20,29	3532-3GSP	29,31	3532-3GSF	29,31	3532-3GGC	318,54
UNC N°4 - 40		3.00	3.67	53x13x3.15	3532-4GI	20,29	3532-4GSP	27,70	3532-4GSF	27,70	3532-4GGC	319,95
UNC N°5 - 40		3.40	4.00	53x13x3.15	3532-5GI	20,29	3532-5GSP	27,70	3532-5GSF	27,70	3532-5GGC	318,57
UNC N°6 - 32		3.70	4.53	58x16x4	3532-6GI	20,29	3532-6GSP	27,70	3532-6GSF	27,70	3532-6GGC	193,90
UNC N°8 - 32		4.40	5.19	62x17x4.5	3532-8GI	20,29	3532-8GSP	27,70	3532-8GSF	27,70	3532-8GGC	189,05
UNC N°10 - 24		5.10	6.20	66x19x5	3532-10GI	20,29	3532-10GSP	25,39	3532-10GSF	25,39	3532-10GGC	184,20
UNC N°12 - 24		5.70	6.86	66x19x5.6	3532-12GI	20,29	3532-12GSP	25,39	3532-12GSF	25,39	3532-12GGC	184,20
UNC 1/4 - 20		6.70	8.00	72x22x6.3	3532-1/4I	13,28	3532-1/4SP	18,48	3532-1/4SF	18,48	3532-1/4GC	174,53
UNC 5/16 - 18		8.30	9.77	80x24x8	3532-5/16I	16,47	3532-5/16SP	21,92	3532-5/16SF	21,92	3532-5/16GC	184,20
UNC 3/8 - 16		9.90	11.58	85x25x6.3	3532-3/8I	15,23	3532-3/8SP	27,70	3532-3/8SF	27,70	3532-3/8GC	184,20
UNC 7/16 - 14		11.60	13.47	95x30x9	3532-7/16I	20,29	3532-7/16SP	31,50	3532-7/16SF	31,50	3532-7/16GC	193,90
UNC 1/2 - 13		13.00	15.23	102x32x10	3532-1/2I	22,96	3532-1/2SP	34,62	3532-1/2SF	34,62	3532-1/2GC	208,45
UNC 9/16 - 12		15.00	17.03	112x37x11.2	3532-9/16I	38,18	3532-9/16SP	57,70	3532-9/16SF	57,70	3532-9/16GC	222,99
UNC 5/8 - 11		16.50	18.87	112x37x11.2	3532-5/8I	47,13	3532-5/8SP	80,42	3532-5/8SF	80,42	3532-5/8GC	232,70
UNC 3/4 - 10		20.00	22.34	118x38x12.5	3532-3/4I	57,27	3532-3/4SP	81,56	3532-3/4SF	81,56	3532-3/4GC	266,61
UNC 7/8 - 9		23.00	25.89	130x45x14	3532-7/8I	66,83	3532-7/8SP	118,27	3532-7/8SF	118,27	3532-7/8GC	300,56
UNC 1 - 8		26.25	29.52	138x48x16	3532-1I	66,83	3532-1SP	138,47	3532-1SF	138,47	3532-1GC	339,34
UNC 1.1/8 - 7		29.50	33.28	151x51x18	3532-1.1/8I	202,36	-	-	-	-	-	-
UNC 1.1/4 - 7		32.50	36.46	162x57x20	3532-1.1/4I	242,78	-	-	-	-	-	-
UNC 1.3/8 - 6		36.00	40.42	170x60x22.4	3532-1.3/8I	303,50	-	-	-	-	-	-
UNC 1.1/2 - 6		39.50	43.59	187x67x25	3532-1.1/2I	393,36	-	-	-	-	-	-

MASCHI A MANO STI

BSW



BSW



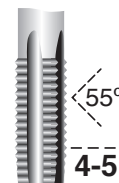
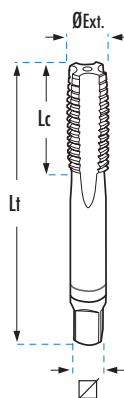
TOL (3B)



HSS



STI-ISO529



			Ø Ext.	Lt x Lc x \varnothing		€	
BSW 1/8 - 40			3.40	3.93	53x13x3.15	3528-1/8I	13,28
BSW 3/16 - 24			5.00	6.00	66x19x5	3528-3/16I	13,28
BSW 1/4 - 20			6.70	7.84	72x22x6.3	3528-1/4I	13,28
BSW 5/16 - 18			8.30	9.59	80x24x8	3528-5/16I	14,63
BSW 3/8 - 16			10.00	11.38	85x25x6.3	3528-3/8I	15,23
BSW 7/16 - 14			11.60	13.23	95x30x9	3528-7/16I	20,29
BSW 1/2 - 12			13.00	15.17	102x32x10	3528-1/2I	23,53
BSW 9/16 - 12			14.75	16.76	102x32x10	3528-9/16I	38,18
BSW 5/8 - 11			16.50	18.57	112x37x11.2	3528-5/8I	47,13
BSW 11/16 - 11			17.50	19.60	112x37x11.2	3528-11/16I	57,27
BSW 3/4 - 10			20.00	22.01	118x38x12.5	3528-3/4I	57,27
BSW 7/8 - 9			23.25	25.52	130x45x14	3528-7/8I	66,45
BSW 1 - 8			26.50	29.10	138x48x16	3528-1I	66,45

BSF



BSF



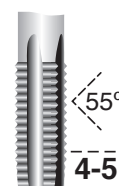
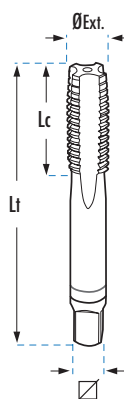
TOL (3B)



HSS



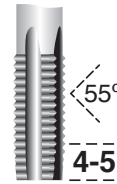
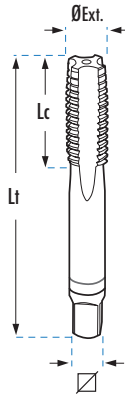
STI-ISO529



			Ø Ext.	Lt x Lc x \varnothing		€	
BSF 3/16 - 32			5.00	5.70	66x19x5	3530-3/16I	13,28
BSF 1/4 - 26			6.60	7.51	72x22x6.3	3530-1/4I	13,28
BSF 5/16 - 22			8.30	9.30	80x24x8	3530-5/16I	14,63
BSF 3/8 - 20			9.80	11.02	85x25x6.3	3530-3/8I	15,23
BSF 7/16 - 18			11.60	12.77	89x29x7.1	3530-7/16I	20,29
BSF 1/2 - 16			13.25	14.56	95x30x9	3530-1/2I	23,53
BSF 9/16 - 16			14.75	16.15	102x32x10	3530-9/16I	38,18
BSF 5/8 - 14			16.50	18.01	112x37x11.2	3530-5/8I	47,13
BSF 11/16 - 14			17.50	19.60	112x37x11.2	3530-11/16I	57,27
BSF 3/4 - 12			19.50	21.53	118x38x12.5	3530-3/4I	57,27
BSF 7/8 - 11			22.75	24.93	130x45x14	3530-7/8I	66,45
BSF 1 - 10			26.25	28.37	138x48x16	3530-1I	66,45

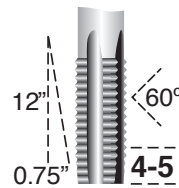
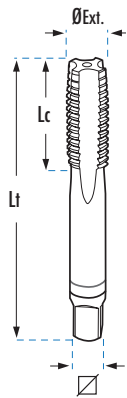
MASCHI A MANO STI

BSP (GAS) **BSP** **TOL (3B)** **HSS**



			Ø Ext.	Lt x Lc x ø		€
BSP	1/8 - 28	10.00	10.81	85x25x6.3	3546-1/8I	20,13
BSP	1/4 - 19	13.75	14.73	95x30x9	3546-1/4I	22,85
BSP	3/8 - 19	17.00	18.24	112x37x11.2	3546-3/8I	30,06
BSP	1/2 - 14	21.50	23.09	118x38x12.5	3546-1/2I	48,71
BSP	5/8 - 14	23.50	25.05	130x45x14	3546-5/8I	71,58
BSP	3/4 - 14	27.00	28.58	127x37x16	3546-3/4I	71,58
BSP	1 - 11	33.75	35.96	162x57x20	3546-1I	111,84

NPT **NPT** **TOL (3B)** **HSS**



		Ø Ext.	Lt x Lc x ø		€
NPT	1/8 - 27	10.43	54x19x8.3	3552-1/8I	97,64
NPT	1/4 - 18	13.95	62x27x10.7	3552-1/4I	109,84
NPT	3/8 - 18	17.37	65x27x13.5	3552-3/8I	146,45
NPT	1/2 - 14	21.65	80x35x13.1	3552-1/2I	176,98
NPT	3/4 - 14	26.96	83x35x17.2	3552-3/4I	231,89
NPT	1 - 11.1/2	33.75	95x44x22.7	3552-1I	317,30

MASCHI A MANO STI

UNx8



8-UN



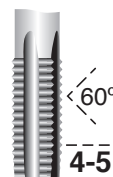
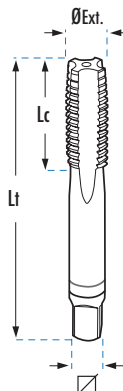
TOL (3B)






HSS



... |



			Ø Ext.	Lt x Lc x \varnothing		€
UN	1.1/8 - 8	28.50	1.26	5.9x2.0x0.7	3570-1.1/8I	347,93
UN	1.1/4 - 8	32.00	1.38	6.3x2.2x0.7	3570-1.1/4I	400,79
UN	1.3/8 - 8	35.00	1.51	6.6x2.3x0.8	3570-1.3/8I	454,85
UN	1.1/2 - 8	38.00	1.63	6.6x2.3x0.8	3570-1.1/2I	499,63
UN	1.5/8 - 8	41.00	1.76	7.3x2.6x0.9	3570-1.5/8I	584,46
UN	1.3/4 - 8	44.50	1.88	7.3x2.6x0.9	3570-1.3/4I	633,01
UN	1.7/8 - 8	47.50	2.01	7.8x2.7x1.1	3570-1.7/8I	735,90
UN	2 - 8	51.00	2.13	7.8x2.7x1.1	3570-2I	764,43

BA



BA



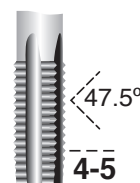
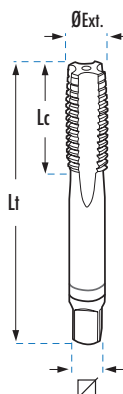
TOL (3B)





HSS

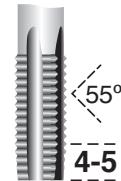
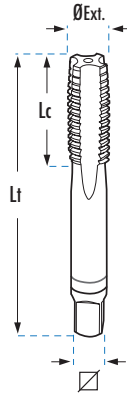


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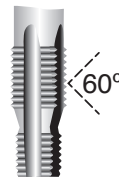
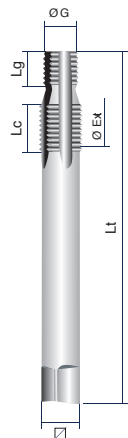


		Ø Ext.	Lt x Lc x \varnothing		€
BA 0	6.20	7.12	66x19x5.6	3544-0I	13,51
BA 2	4.90	5.60	62x17x4.5	3544-2I	13,51
BA 4	3.80	4.34	53x13x3.5	3544-4I	13,51
BA 6	2.90	3.40	50x13x2.8	3544-6I	13,51

MASCHI A MANO STI



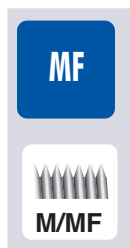
Icon	Icon	Icon	Ø Ext.	Lt x Lc x Ø		€
BSB	1/4 - 26	6.60	7.72	72x22x6.3	3560-1/4I	14,97
BSB	5/16 - 26	8.00	9.30	72x22x7.1	3560-5/16I	16,47
BSB	3/8 - 26	9.80	10.89	85x25x6.3	3560-3/8I	17,15
BSB	7/16 - 26	11.10	12.48	89x29x7.1	3560-7/16I	22,85
BSB	1/2 - 26	12.70	14.07	95x30x9	3560-1/2I	25,85



Icon	Icon	Icon	Ø Ext.	Lg	Ø G	Lt x Lc x Ø		€
M	6 x 1.00	6.30	7.29	7	6	70x28x6.3	3520-6.00PN	25,83
M	8 x 1.25	8.30	9.62	9	8	75x32x6.3	3520-8.00PN	25,83
M	10 x 1.00	10.30	11.29	8	10	74x30x6.3	3522-10.00PN	32,31
M	10 x 1.50	10.40	11.94	9	10	89x29x7.1	3520-10.00PN	32,31
M	12 x 1.25	12.30	13.62	9	12	75x32x7.1	3522-12.00PN	45,90
M	14 x 1.25	14.25	15.62	10	14	90x45x9.2	3522-14.00PN	53,41
M	18 x 1.50	18.50	19.94	10	18	116x47x12.5	3522-18.00PN	76,37

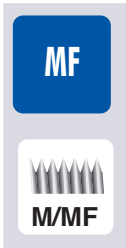


UTENSILI DI INSTALLAZIONE



		€		€		€		€
M 2 x 0.40	3500-HIT2	13,28	3520-2.00HIP	128,17	3520-2.00MIT	127,25	-	-
M 2.20 x 0.45	3500-HIT2	13,28	3520-2.20HIP	128,17	3520-2.20MIT	127,25	-	-
M 2.50 x 0.45	3500-HIT3	13,28	3520-2.50HIP	128,17	3520-2.50MIT	127,25	-	-
M 3 x 0.50	3500-HIT4	13,28	3520-3.00HIP	95,55	3520-3.00MIT	117,08	-	-
M 3.50 x 0.60	3500-HIT5	13,28	3520-3.50HIP	95,55	3520-3.50MIT	117,08	-	-
M 4 x 0.70	3500-HIT6	13,28	3520-4.00HIP	95,55	3520-4.00MIT	117,08	-	-
M 5 x 0.80	3500-HIT8	13,28	3520-5.00HIP	95,55	3520-5.00MIT	117,08	-	-
M 6 x 1.00	3500-HIT9	13,28	3520-6.00HIP	99,37	3520-6.00MIT	117,08	-	-
M 7 x 1.00	3500-HIT10	15,23	3520-7.00HIP	99,37	3520-7.00MIT	117,08	-	-
M 8 x 1.00	3500-HIT11	15,23	3521-8.00HIP	95,09	3521-8.00MIT	117,08	-	-
M 8 x 1.25	3500-HIT11	15,23	3520-8.00HIP	80,88	3520-8.00MIT	117,08	-	-
M 9 x 1.25	3500-HIT13	15,23	3520-9.00HIP	80,29	3520-9.00MIT	117,07	-	-
M 10 x 1.00	3500-HIT13	15,23	3523-10.00HIP	108,60	3523-10.00MIT	127,25	-	-
M 10 x 1.25	3500-HIT13	15,23	3521-10.00HIP	118,64	3521-10.00MIT	127,25	-	-
M 10 x 1.50	3500-HIT13	15,23	3520-10.00HIP	107,76	3520-10.00MIT	127,25	-	-
M 11 x 1.00	3500-HIT14	19,09	-	-	-	-	-	-
M 11 x 1.25	3500-HIT14	19,09	-	-	-	-	-	-
M 11 x 1.50	3500-HIT14	19,09	3520-11.00HIP	120,57	3520-11.00MIT	135,75	-	-
M 12 x 1.00	3500-HIT15	19,09	-	-	-	-	-	-
M 12 x 1.25	3500-HIT15	19,09	3523-12.00HIP	112,37	3523-12.00MIT	135,75	-	-
M 12 x 1.50	3500-HIT15	19,09	3521-12.00HIP	105,46	3521-12.00MIT	135,75	-	-
M 12 x 1.75	3500-HIT15	19,09	3520-12.00HIP	103,73	3520-12.00MIT	135,75	-	-
M 13 x 1.25	3500-HIT16	22,96	-	-	-	-	-	-
M 13 x 1.50	3500-HIT15	19,09	-	-	-	-	-	-
M 13 x 1.75	3500-HIT15	19,09	-	-	3520-13.00MIT	135,73	-	-
M 14 x 1.00	3500-HIT16	22,96	-	-	-	-	-	-
M 14 x 1.25	3500-HIT16	22,96	3523-14.00HIP	218,95	3523-14.00MIT	144,21	-	-
M 14 x 1.50	3500-HIT16	22,96	3521-14.00HIP	120,52	3521-14.00MIT	144,21	-	-
M 14 x 2.00	3500-HIT16	22,96	3520-14.00HIP	92,28	3520-14.00MIT	144,21	-	-
M 15 x 1.50	3500-HIT16	22,96	-	-	-	-	-	-
M 15 x 2.00	3500-HIT16	22,96	-	-	-	-	-	-
M 16 x 1.50	3500-HIT18	25,37	3521-16.00HIP	112,37	3521-16.00MIT	144,21	-	-
M 16 x 2.00	3500-HIT18	25,37	-	-	3520-16.00MIT	144,21	-	-
M 18 x 1.50	3500-HIT20	25,37	-	-	-	-	3523-18.00HIP	210,99
M 18 x 2.00	3500-HIT20	25,37	-	-	-	-	3521-18.00HIP	210,99
M 18 x 2.50	3500-HIT20	25,37	-	-	-	-	3520-18.00HIP	101,56

UTENSILI DI INSTALLAZIONE



		€		€		€
M 20 x 1.50	3500-HIT21	25,37	-	-	3523-20.00HIP	262,91
M 20 x 2.00	3500-HIT21	25,37	-	-	3521-20.00HIP	262,91
M 20 x 2.50	3500-HIT21	25,37	-	-	3520-20.00HIP	119,01
M 22 x 1.50	3500-HIT22	31,89	-	-	3523-22.00HIP	321,57
M 22 x 2.00	3500-HIT22	31,89	-	-	3521-22.00HIP	321,57
M 22 x 2.50	3500-HIT22	31,89	-	-	3520-22.00HIP	125,05
M 24 x 1.50	3500-HIT23	31,89	-	-	3523-24.00HIP	375,15
M 24 x 2.00	3500-HIT23	31,89	-	-	3521-24.00HIP	375,15
M 24 x 3.00	3500-HIT23	31,89	-	-	3520-24.00HIP	132,65
M 26 x 1.50	3500-HIT24	57,26	3523-26.00HIM	31,94	-	-
M 27 x 1.50	3500-HIT24	57,26	3523-27.00HIM	31,94	-	-
M 27 x 2.00	3500-HIT24	57,26	3521-27.00HIM	31,94	-	-
M 27 x 3.00	3500-HIT24	57,26	3520-27.00HIM	31,94	-	-
M 28 x 1.50	3500-HIT24	57,26	3523-28.00HIM	31,94	-	-
M 30 x 1.50	3500-HIT26	90,15	3523-30.00HIM	38,34	-	-
M 30 x 2.00	3500-HIT26	90,15	3521-30.00HIM	38,34	-	-
M 30 x 3.50	3500-HIT25	57,26	3520-30.00HIM	38,34	-	-
M 33 x 2.00	3500-HIT26	90,15	3521-33.00HIM	44,73	-	-
M 33 x 3.50	3500-HIT26	90,15	3520-33.00HIM	44,73	-	-
M 36 x 1.50	3500-HIT28	90,30	3524-36.00HIM	44,73	-	-
M 36 x 2.00	3500-HIT28	90,30	3523-36.00HIM	44,73	-	-
M 36 x 3.00	3500-HIT28	90,30	3521-36.00HIM	44,73	-	-
M 36 x 4.00	3500-HIT28	90,30	3520-36.00HIM	44,73	-	-
M 39x3,00	3500-HIT28	90,30	3521-39.00HIM	83,48	-	-
M 39x4,00	3500-HIT28	90,30	3520-39.00HIM	83,48	-	-
M 40 x 3,00	3500-HIT28	90,30	3523-40.00HIM	83,48	-	-
M 42 x 3,00	3500-HIT28	90,30	3523-42.00HIM	97,50	-	-
M 42 x 4,50	3500-HIT28	90,30	3520-42.00HIM	97,50	-	-
M 45 x 3,00	3500-HIT30	112,28	3523-45.00HIM	97,50	-	-
M 45 x 4,50	3500-HIT30	112,28	3520-45.00HIM	97,50	-	-
M 48 x 3,00	3500-HIT30	112,28	3523-48.00HIM	103,34	-	-
M 48 x 5,00	3500-HIT30	112,28	3520-48.00HIM	103,34	-	-
M 50 x 3,00	3500-HIT30	112,28	3523-50.00HIM	117,92	-	-
M 52 x 3,00	3500-HIT30	112,28	3523-52.00HIM	117,92	-	-
M 52 x 5,00	3500-HIT30	112,28	3520-52.00HIM	117,92	-	-

UTENSILI DI INSTALLAZIONE

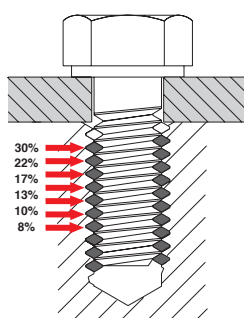
UNC

UNC



FREE		FREE		LOCK		FREE		FREE		LOCK		FREE		LOCK	

		€		€		€		€		€		€
UNC N°2 - 56	3500-HIT2	13,28	3532-2GHIP	133,64	-	-	3532-2GMIT	127,25	-	-		
UNC N°3 - 48	3500-HIT3	13,28	-	-	-	-	3532-3GMIT	127,25	-	-		
UNC N°4 - 40	3500-HIT4	13,28	3532-4GHIP	133,64	-	-	3532-4GMIT	127,25	-	-		
UNC N°5 - 40	3500-HIT4	13,28	3532-5GHIP	133,64	-	-	3532-5GMIT	127,25	-	-		
UNC N°6 - 32	3500-HIT5	13,28	3532-6GHIP	130,00	-	-	3532-6GMIT	117,08	-	-		
UNC N°8 - 32	3500-HIT6	13,28	3532-8GHIP	130,00	-	-	3532-8GMIT	117,08	-	-		
UNC N°10 - 24	3500-HIT7	13,28	3532-10GHIP	130,00	-	-	3532-10GMIT	117,08	-	-		
UNC N°12 - 24	3500-HIT8	13,28	3532-12GHIP	130,00	-	-	3532-12GMIT	117,07	-	-		
UNC 1/4 - 20	3500-HIT9	13,28	3532-1/4HIP	88,37	-	-	3532-1/4MIT	117,08	-	-		
UNC 5/16 - 18	3500-HIT10	15,23	3532-5/16HIP	88,43	-	-	3532-5/16MIT	117,08	-	-		
UNC 3/8 - 16	3500-HIT13	15,23	3532-3/8HIP	102,67	-	-	3532-3/8MIT	127,25	-	-		
UNC 7/16 - 14	3500-HIT14	19,09	3532-7/16HIP	102,67	-	-	3532-7/16MIT	127,25	-	-		
UNC 1/2 - 13	3500-HIT15	19,09	3532-1/2HIP	118,70	-	-	3532-1/2MIT	135,75	-	-		
UNC 9/16 - 12	3500-HIT16	22,96	-	-	-	-	-	-	3532-9/16HIP	107,30		
UNC 5/8 - 11	3500-HIT18	25,37	-	-	-	-	-	-	3532-5/8HIP	112,74		
UNC 3/4 - 10	3500-HIT20	25,37	-	-	-	-	-	-	3532-3/4HIP	126,80		
UNC 7/8 - 9	3500-HIT22	31,89	-	-	-	-	-	-	3532-7/8HIP	136,55		
UNC 1 - 8	3500-HIT23	31,89	-	-	-	-	-	-	3532-1HIP	156,06		
UNC 1.1/8 - 7	3500-HIT24	57,26	-	-	3532-1.1/8HIM	38,34	-	-	3532-1.1/8HIP	178,19		
UNC 1.1/4 - 7	3500-HIT25	57,26	-	-	3532-1.1/4HIM	38,34	-	-	3532-1.1/4HIP	186,67		
UNC 1.3/8 - 6	3500-HIT26	90,15	-	-	3532-1.3/8HIM	44,73	-	-	3532-1.3/8HIP	189,98		
UNC 1.1/2 - 6	3500-HIT27	90,30	-	-	3532-1.1/2HIM	44,73	-	-	3532-1.1/2HIP	192,62		

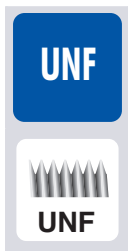











RACCOMANDAZIONE TÉCNIC:

Installare l'inserto filetto e mezzo sotto, a filo del pezzo.



UTENSILI DI INSTALLAZIONE



			 				 		 	
		€		€		€		€		€
UNF N°3 - 56	3500-HIT3	13,28	3534-3GHIP	118,98	-	-	-	-	-	-
UNF N°4 - 48	3500-HIT4	13,28	3534-4GHIP	121,40	-	-	3534-4GMIT	127,25	-	-
UNF N°6 - 40	3500-HIT5	13,28	3534-6GHIP	106,37	-	-	3534-6GMIT	117,08	-	-
UNF N°8 - 36	3500-HIT6	13,28	3534-8GHIP	106,37	-	-	3534-8GMIT	117,08	-	-
UNF N°10 - 32	3500-HIT8	13,28	3534-10GHIP	106,37	-	-	3534-10GMIT	117,08	-	-
UNF N°12 - 28	3500-HIT8	13,28	3534-12GHIP	106,37	-	-	3534-12GMIT	117,07	-	-
UNF 1/4 - 28	3500-HIT9	13,28	3534-1/4HIP	72,30	-	-	3534-1/4MIT	117,08	-	-
UNF 5/16 - 24	3500-HIT11	15,23	3534-5/16HIP	72,36	-	-	3534-5/16MIT	117,08	-	-
UNF 3/8 - 24	3500-HIT13	15,23	3534-3/8HIP	84,01	-	-	3534-3/8MIT	127,25	-	-
UNF 7/16 - 20	3500-HIT14	19,09	3534-7/16HIP	84,01	-	-	3534-7/16MIT	127,25	-	-
UNF 1/2 - 20	3500-HIT15	19,09	3534-1/2HIP	97,14	-	-	3534-1/2MIT	135,75	-	-
UNF 9/16 - 18	3500-HIT16	22,96	-	-	-	-	-	-	3534-9/16HIP	87,79
UNF 5/8 - 8	3500-HIT18	25,37	-	-	-	-	-	-	3534-5/8HIP	92,23
UNF 3/4 - 16	3500-HIT21	25,37	-	-	-	-	-	-	3534-3/4HIP	103,76
UNF 7/8 - 14	3500-HIT22	31,89	-	-	-	-	-	-	3534-7/8HIP	111,74
UNF 1-12	3500-HIT23	31,89	-	-	-	-	-	-	3534-1HIP	127,68
UNS 1-14	3500-HIT23	31,89	-	-	-	-	-	-	3535-1HIP	127,68
UNF 1.1/8 - 12	3500-HIT25	57,26	-	-	3534-1.1/8HIM	38,34	-	-	3534-1.1/8HIP	478,82
UNF 1.1/4 - 12	3500-HIT26	90,15	-	-	3534-1.1/4HIM	38,34	-	-	3534-1.1/4HIP	558,62
UNF 1.3/8 - 12	3500-HIT27	90,30	-	-	3534-1.3/8HIM	44,73	-	-	3534-1.3/8HIP	638,43
UNF 1.1/2 - 12	3500-HIT28	90,30	-	-	3534-1.1/2HIM	44,73	-	-	3534-1.1/2HIP	718,22



UTENSILI DI INSTALLAZIONE

BSW



BSW



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BSW 1/8 - 40	3500-HIT4	13,28
BSW 3/16 - 24	3500-HIT7	13,28
BSW 1/4 - 20	3500-HIT9	13,28
BSW 5/16 - 18	3500-HIT10	15,23
BSW 3/8 - 16	3500-HIT11	15,23
BSW 7/16 - 14	3500-HIT14	19,09
BSW 1/2 - 12	3500-HIT15	19,09
BSW 9/16 - 12	3500-HIT16	22,96
BSW 5/8 - 11	3500-HIT18	25,37
BSW 3/4 - 10	3500-HIT20	25,37
BSW 7/8 - 9	3500-HIT22	31,89
BSW 1 - 8	3500-HIT23	31,89

BSP
(GAS)

BSP



€

€

BSP 1/8 - 28	3500-HIT14	19,09	3546-1/8HIM	19,17
BSP 1/4 - 19	3500-HIT16	22,96	3546-1/4HIM	19,17
BSP 3/8 - 19	3500-HIT20	25,37	3546-3/8HIM	22,37
BSP 1/2 - 14	3500-HIT23	31,89	3546-1/2HIM	25,58
BSP 5/8 - 14	3500-HIT23	31,89	3546-5/8HIM	31,94
BSP 3/4 - 14	3500-HIT24	57,26	3546-3/4HIM	31,94
BSP 7/8 - 14	3500-HIT27	90,30	3546-7/8HIM	44,73
BSP 1 - 11	3500-HIT27	90,30	3546-1HIM	44,73

BSF



BSF



€

BSF 3/16 - 32	3500-HIT8	13,28
BSF 1/4 - 26	3500-HIT9	13,28
BSF 5/16 - 22	3500-HIT11	15,23
BSF 3/8 - 20	3500-HIT13	15,23
BSF 7/16 - 18	3500-HIT14	19,09
BSF 1/2 - 16	3500-HIT15	19,09
BSF 9/16 - 16	3500-HIT16	22,96
BSF 5/8 - 14	3500-HIT18	25,37
BSF 3/4 - 12	3500-HIT20	25,37
BSF 7/8 - 11	3500-HIT22	31,89
BSF 1 - 10	3500-HIT23	31,89

NPT



NPT




€

NPT 1/8 - 27	3500-HIT13	15,23
NPT 1/4 - 18	3500-HIT16	22,96
NPT 3/8 - 18	3500-HIT18	25,37
NPT 1/2 - 14	3500-HIT22	31,89
NPT 3/4 - 14	3500-HIT24	57,26
NPT 1 - 11.1/2	3500-HIT27	90,30





UTENSILI DI INSTALLAZIONE


UNx8




8-UN



BSB




BSB






FREE




FREE






		€		€
UN 1.1/8 - 8	3500-HIT24	57,26	3570-1.1/8HIM	74,59
UN 1.1/4 - 8	3500-HIT25	57,26	3570-1.1/4HIM	74,59
UN 1.3/8 - 8	3500-HIT26	90,15	3570-1.3/8HIM	86,56
UN 1.1/2 - 8	3500-HIT27	90,30	3570-1.1/2HIM	86,56
UN 1.5/8 - 8	3500-HIT27	90,30	3570-1.5/8HIM	89,53
UN 1.3/4 - 8	3500-HIT28	90,30	3570-1.3/4HIM	95,50
UN 1.7/8 - 8	3500-HIT30	112,28	3570-1.7/8HIM	110,42
UN 2 - 8	3500-HIT30	112,28	3570-2HIM	110,42

BSB






BSB





FREE

		€
BSB 1/4 - 26	3500-HIT9	13,28
BSB 5/16 - 26	3500-HIT11	15,23
BSB 3/8 - 26	3500-HIT13	15,23
BSB 7/16 - 26	3500-HIT14	19,09
BSB 1/2 - 26	3500-HIT15	19,09



BA



BA





FREE




		€
BA 0	3500-HIT9	13,28
BA 2	3500-HIT7	13,28
BA 4	3500-HIT5	13,28
BA 6	3500-HIT3	13,28

MF







FREE




		€
10x1.00	3500-HIT13	15,23
12x1.25	3500-HIT15	19,09
14x1.25	3500-HIT17	22,96
18x1.50	3500-HIT20	25,37



M14x1,25

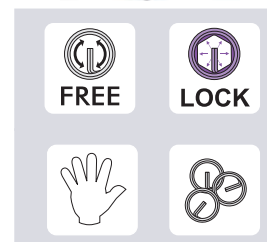
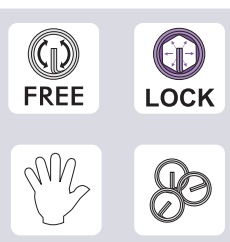
M12x1,25


INSTALLATORE, ROMPI CODA E ESTRATTORE

UNC

UNC

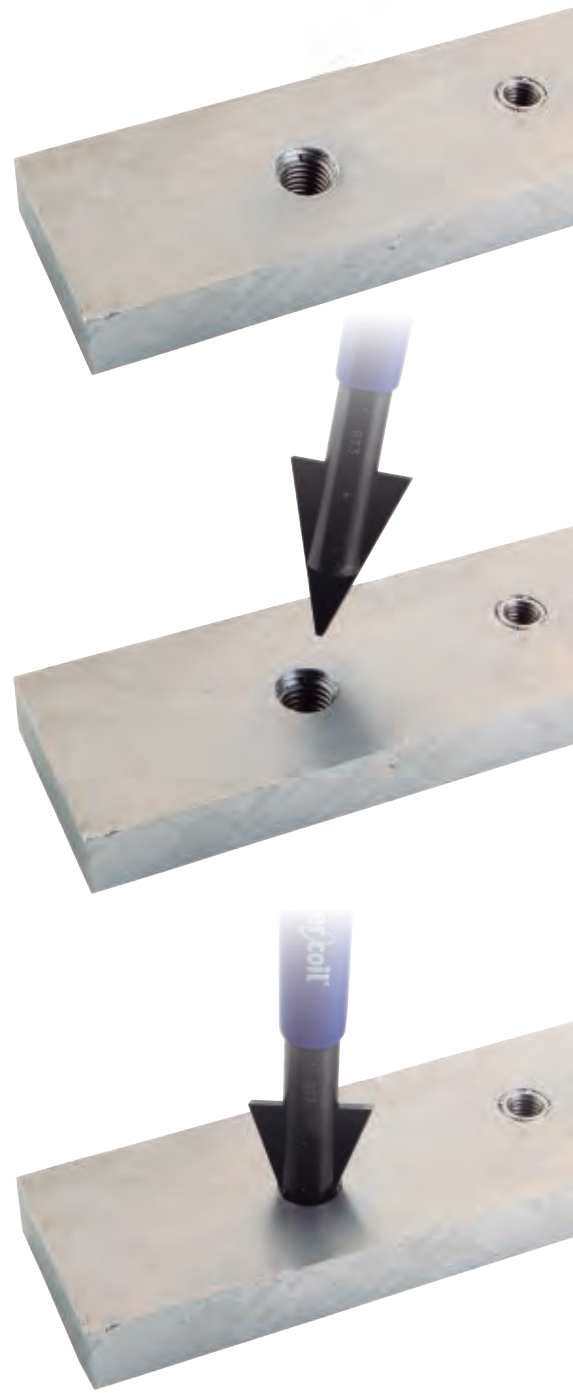
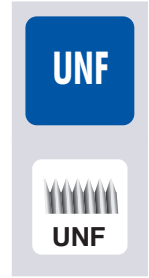
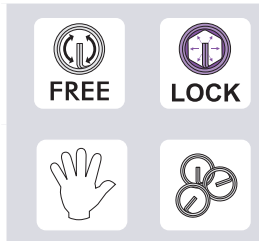
Rosa




		€
UNC N°2 - 56	3500-TB2	5,70
UNC N°3 - 48	3500-TB3	5,70
UNC N°4 - 40	3500-TB4	5,70
UNC N°5 - 40	3500-TB4	5,70
UNC N°6 - 32	3500-TB5	5,70
UNC N°8 - 32	3500-TB6	5,70
UNC N°10 - 24	3500-TB8	5,70
UNC N°12 - 24	3500-TB8	5,70
UNC 1/4 - 20	3500-TB9	5,70
UNC 5/16 - 18	3500-TB12	6,31
UNC 3/8 - 16	3500-TB12	6,31
UNC 7/16 - 14	3500-TB14	7,64
UNC 1/2 - 13	3500-TB15	7,64
UNC 9/16 - 12	3500-HIT16	22,96
UNC 5/8 - 11	3500-HIT18	25,37
UNC 3/4 - 10	3500-HIT20	25,37
UNC 7/8 - 9	3500-HIT22	31,89
UNC 1 - 8	3500-HIT23	31,89
UNC 1.1/8 - 7	-	-
UNC 1.1/4 - 7	-	-
UNC 1.3/8 - 6	-	-
UNC 1.1/2 - 6	-	-

	€
3500-RT1	26,07
3500-RT1	26,07
3500-RT1	26,07
3500-RT1	26,07
3500-RT1	26,07
3500-RT1	26,07
3500-RT1	26,07
3500-RT2	28,15
3500-RT2	28,15
3500-RT2	28,15
3500-RT2	28,15
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT4	63,05
3500-RT4	63,05
3500-RT4	63,05
3500-RT4	63,05

INSTALLATORE, ROMPI CODA E ESTRATTORE



		€
UNF N°3 - 56	3500-TB3	5,70
UNF N°4 - 48	3500-TB4	5,70
UNF N°6 - 40	3500-TB5	5,70
UNF N°8 - 36	3500-TB6	5,70
UNF N°10 - 32	3500-TB8	5,70
UNF N°12 - 28	3500-TB8	5,70
UNF 1/4 - 28	3500-TB9	5,70
UNF 5/16 - 24	3500-TB12	6,31
UNF 3/8 - 24	3500-TB13	6,31
UNF 7/16 - 20	3500-TB14	7,64
UNF 1/2 - 20	3500-TB15	7,64
UNF 9/16 - 18	3500-HIT16	22,96
UNF 5/8 - 18	3500-HIT18	25,37
UNF 3/4 - 16	3500-HIT21	25,37
UNF 7/8 - 14	3500-HIT22	31,89
UNF 1 - 12	3500-HIT23	31,89
UNF 1 - 14	3500-HIT23	31,89
UNF 1.1/8 - 12	-	-
UNF 1.1/4 - 12	-	-
UNF 1.3/8 - 12	-	-
UNF 1.1/2 - 12	-	-

	€
3500-RT1	26,07
3500-RT1	26,07
3500-RT1	26,07
3500-RT1	26,07
3500-RT2	28,15
3500-RT2	28,15
3500-RT2	28,15
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT3	34,45
3500-RT4	63,05
3500-RT4	63,05
3500-RT4	63,05
3500-RT4	63,05

INSTALLATORI, ROMPI CODA E ESTRATTORI

BSW



BSW



FREE



LOCK



FREE



LOCK



€

€

BSW 1/8 - 40	3500-TB4	5,70	3500-RT1	26,07
BSW 3/16 - 24	3500-TB8	5,70	3500-RT2	28,15
BSW 1/4 - 20	3500-TB9	5,70	3500-RT2	28,15
BSW 5/16 - 18	3500-TB11	6,31	3500-RT2	28,15
BSW 3/8 - 16	3500-TB12	6,31	3500-RT3	34,45
BSW 7/16 - 14	3500-TB14	7,64	3500-RT3	34,45
BSW 1/2 - 12	3500-TB15	7,64	3500-RT3	34,45
BSW 9/16 - 12	3500-HIT16	22,96	3500-RT3	34,45
BSW 5/8 - 11	3500-HIT18	25,37	3500-RT3	34,45
BSW 3/4 - 10	3500-HIT20	25,37	3500-RT3	34,45
BSW 7/8 - 9	3500-HIT22	31,89	3500-RT3	34,45
BSW 1 - 8	3500-HIT23	31,89	3500-RT3	34,45

BSF



BSF



FREE



LOCK



FREE



LOCK



€

€

BSF 3/16 - 32	3500-TB6	5,70	3500-RT2	28,15
BSF 1/4 - 26	3500-TB9	5,70	3500-RT2	28,15
BSF 5/16 - 22	3500-TB11	6,31	3500-RT2	28,15
BSF 3/8 - 20	3500-TB12	6,31	3500-RT3	34,45
BSF 7/16 - 18	3500-TB14	7,64	3500-RT3	34,45
BSF 1/2 - 16	3500-TB15	7,64	3500-RT3	34,45
BSF 9/16 - 16	3500-HIT16	22,96	3500-RT3	34,45
BSF 5/8 - 14	3500-HIT18	25,37	3500-RT3	34,45
BSF 3/4 - 12	3500-HIT20	25,37	3500-RT3	34,45
BSF 7/8 - 11	3500-HIT22	31,89	3500-RT3	34,45
BSF 1 - 10	3500-HIT23	31,89	3500-RT3	34,45

BA



BA



FREE



LOCK



FREE



LOCK



€

€

BA 0	3500-TB11	6,31	3500-RT2	28,15
BA 2	3500-TB8	5,70	3500-RT2	28,15
BA 4	3500-TB5	5,70	3500-RT1	26,07
BA 6	3500-TB3	5,70	3500-RT1	26,07

BSB



BSB



FREE



LOCK



FREE



LOCK



€

€

BSB 1/4 - 26	3500-TB9	5,70	3500-RT2	28,15
BSB 5/16 - 26	3500-TB12	6,31	3500-RT2	28,15
BSB 3/8 - 26	3500-TB13	6,31	3500-RT3	34,45
BSB 7/16 - 26	3500-TB14	7,64	3500-RT3	34,45
BSB 1/2 - 26	3500-TB15	7,64	3500-RT3	34,45

PUNTA IN METALLO DURO PER ACCIAI TEMPRATI E CORAZZATI AD ALTA RESISTENZA

Ref. BC85

**70
HRC**

MD

TOL D1
h7

TOL D2
h6

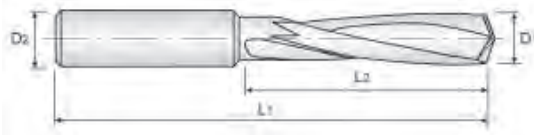


TiAIN

**HARDOX
600**

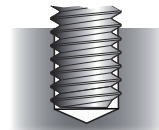
ALTA
PRODUZIONE

Punta speciale per HARDOX 600



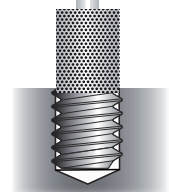
PERFORAZIONE DI VITI E MASCHI ROTTI

Vite rotta



STEP 1

Pulire la superficie



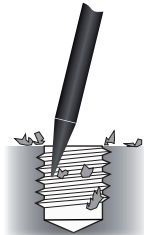
STEP 2

Forare con la punta BC85



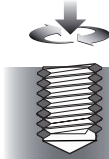
STEP 3


Rimuovere i frammenti



STEP 4 (Opzionale)
Riparare la
filettatura con inserti

powercoil
by CELESA



BC85						
	D1 mm	D2 mm	L1 mm	L2 mm		
BC850300	3,0	3	46	16		47,17
BC850330	3,3	4	48	18	M4	54,14
BC850340	3,4	4	50	20		54,14
BC850350	3,5	4	50	20		54,14
BC850400	4,0	4	52	22		57,98
BC850420	4,2	6	65	25	M5	78,42
BC850430	4,3	6	68	28		78,42
BC850440	4,4	6	68	28		78,42
BC850450	4,5	6	68	28		78,42
BC850500	5,0	6	72	32	M6	78,42
BC850510	5,1	6	72	32		78,42
BC850520	5,2	6	72	32		78,42
BC850550	5,5	6	75	35		78,42
BC850600	6,0	6	75	35		78,42
BC850650	6,5	8	80	40		97,28
BC850680	6,8	8	85	45	M8	97,28
BC850690	6,9	8	85	45		97,28
BC850700	7,0	8	85	45		97,28
BC850750	7,5	8	85	45		97,28
BC850800	8,0	8	98	50		97,28
BC850850	8,5	10	98	50	M10	148,67
BC850860	8,6	10	105	57		148,67
BC850880	8,8	10	105	57		148,67
BC850900	9,0	10	105	57		148,67
BC850950	9,5	10	105	57		148,67
BC851000	10,0	10	111	63		148,67
BC851020	10,2	12	111	63	M12	192,57
BC851030	10,3	12	111	63		225,94
BC851050	10,5	12	111	63		225,94
BC851080	10,8	12	119	71		225,94
BC851100	11,0	12	119	71		225,94
BC851150	11,5	12	119	71		225,94
BC851200	12,0	12	119	71	M14	225,94
BC851400	14,0	14	125	77	M16	256,75

HRC	50-55		55-60		60-70	
	VC	14-22 m/min	VC	10-16 m/min	VC	8-13 m/min
Ø	(R.P.M.)	(mm/min)	(R.P.M.)	(mm/min)	(R.P.M.)	(mm/min)
3	1900	0.04	1330	0.04	1000	0.04
4	1430	0.04	1000	0.04	750	0.04
5	1150	0.04	800	0.04	600	0.04
6	960	0.04	670	0.04	500	0.04
8	720	0.04	500	0.04	370	0.04
10	570	0.04	400	0.04	300	0.04
12	480	0.04	330	0.04	250	0.04
14	438	0.04	282	0.04	210	0.04

PUNTA ELICOIDALE CILINDRICA

HSSCo
5%DIN
338

GOLD



	Ø mm.	Ø "	L1 x L2 mm	€
3520-0210	2.10	-	49x24	2,80
3520-0230	2.30	3/32	53x27	2,80
3520-0240	2.40	-	57x30	2,80
3520-0260	2.60	-	57x30	2,69
3520-0270	2.70	-	61x33	2,69
3520-0290	2.90	-	61x33	2,69
3520-0300	3.00	-	61x33	2,14
3520-0320	3.20	1/8	65x36	2,58
3520-0340	3.40	-	70x39	2,69
3520-0370	3.70	-	70x39	3,24
3520-0380	3.80	-	75x43	3,24
3520-0420	4.20	-	75x43	3,06
3520-0430	4.30	-	80x47	3,24
3520-0440	4.40	11/64	80x47	3,24
3520-0480	4.80	-	86x52	3,60
3520-0490	4.90	-	86x52	3,60
3520-0500	5.00	-	86x52	3,28
3520-0510	5.10	-	86x52	3,94
3520-0520	5.20	13/64	86x52	3,94
3520-0550	5.50	7/32	93x57	4,16
3520-0570	5.70	15/64	93x57	4,92
3520-0620	6.20	-	101x63	5,48
3520-0630	6.30	1/4	101x63	5,48
3520-0660	6.60	-	101x63	6,58
3520-0670	6.70	17/64	101x63	6,58
3520-0690	6.90	-	109x69	6,58
3520-0730	7.30	9/32	109x69	8,38
3520-0760	7.60	-	117x75	10,08
3520-0800	8.00	5/16	117x75	7,25
3520-0820	8.20	-	117x75	9,67
3520-0830	8.30	21/64	117x75	9,67

	Ø mm.	Ø "	L1 x L2 mm	€
3520-0840	8.40	-	117x75	9,67
3520-0880	8.80	-	125x81	12,29
3520-0930	9.30	23/64	125x81	13,61
3520-0940	9.40	3/8	125x81	13,57
3520-0980	9.80	-	133x87	15,95
3520-0990	9.90	25/64	133x87	15,95
3520-1000	10.00	-	133x87	10,96
3520-1010	10.10	-	133x87	18,34
3520-1030	10.30	13/32	133x87	18,38
3520-1040	10.40	-	133x87	18,34
3520-1080	10.80	-	142x94	21,33
3520-1110	11.10	7/16	142x94	24,33
3520-1130	11.30	-	142x94	24,33
3520-1140	11.40	-	142x94	24,33
3520-1150	11.50	29/64	142x94	20,48
3520-1160	11.60	-	142x94	25,14
3520-1230	12.30	-	151x101	29,18
3520-1240	12.40	31/64	151x101	29,18
3520-1250	12.50	-	151x101	26,65
3520-1270	12.70	1/2	151x101	30,37
3520-1280	12.80	-	151x101	30,37
3520-1300	13.00	33/64	151x101	27,24
3520-1325	13.25	-	160x108	37,71
3520-1350	13.50	-	160x108	30,03
3520-1375	13.75	-	160x108	37,71
3520-1425	14.25	9/16	169x114	49,55
3520-1450	14.50	-	169x114	42,12
3520-1475	14.75	-	169x114	49,55
3520-1500	15.00	19/32	169x114	42,75
3520-1525	15.25	-	178x120	68,36



PUNTA ELICOIDALE A CODOLO RIDOTTO

HSSCo
5%

DIN
338



GOLD



	Ø mm.	Ø "	L1 x L2 mm	€
3520-1550	15.50	39/64	178x120	63,88
3520-1650	16.50	-	184x125	75,04
3520-1675	16.75	-	184x125	100,58
3520-1700	17.00	-	184x125	75,53
3520-1750	17.50	-	191x130	83,13
3520-1850	18.50	23/32	198x135	101,65
3520-1875	18.75	-	198x135	127,45
3520-1900	19.00	3/4	198x135	100,77
3520-1950	19.50	49/64	205x140	111,65
3520-2000	20.00	-	205x240	119,63
3520-2050	20.50	13/16	205x140	142,41

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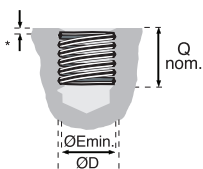
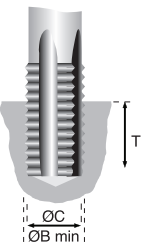
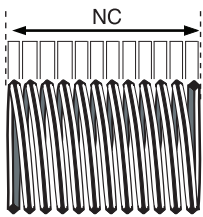
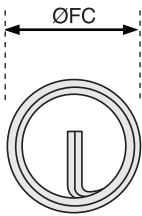
OX



	Ø mm.	Ø "	L1 x L2 mm	€
3520-2075	20.75	-	243x145	77,14
3520-2100	21.00	-	243x145	73,72
3520-2150	21.50	27/32	248x150	73,72
3520-2250	22.50	57/64	253x155	80,82
3520-2275	22.75	-	253x155	93,17
3520-2300	23.00	29/32	253x155	80,64
3520-2325	23.25	-	276x155	102,72
3520-2350	23.50	-	276x155	89,49
3520-2450	24.50	31/32	281x160	97,46
3520-2500	25.00	-	281x160	97,06
3520-2575	25.75	1.1/64	286x165	121,91
3520-2600	26.00	-	286x165	105,62
3520-2625	26.25	-	286x165	132,02
3520-2650	26.50	-	286x165	114,33
3520-2700	27.00	1.1/16	291x170	114,44
3520-2750	27.50	1.5/64	291x170	122,42
3520-2800	28.00	1.3/32	291x170	122,79
3520-2850	28.50	1.1/8	296x175	131,24
3520-2950	29.50	1.5/32	296x175	144,50
3520-3000	30.00	1.11/64	296x175	144,62
3520-3050	30.50	1.3/16	301x180	161,34
3520-3100	31.00	1.7/32	301x180	161,48
3520-3200	32.00	1.1/4	334x185	170,12
3520-3250	32.50	1.9/32	334x185	195,41
3520-3300	33.00	1.19/64	334x185	194,23
3520-3325	33.25	-	334x185	239,58
3520-3350	33.50	1.5/16	334x185	211,90
3520-3375	33.75	-	339x190	240,86
3520-3400	34.00	1.21/64	339x190	211,24
3520-3500	35.00	1.3/8	339x190	231,86
3520-3550	35.50	1.13/32	339x190	247,52
3520-3600	36.00	-	344x195	248,14
3520-3650	36.50	-	344x195	262,44
3520-3700	37.00	1.29/64	344x195	262,07
3520-3800	38.00	1.1/2	349x200	275,26
3520-3850	38.50	-	349x200	292,90
3520-3900	39.00	1.17/32	349x200	293,16
3520-3950	39.50	1.35/64	349x200	310,46
3520-3975	39.75	-	349x200	344,90
3520-4000	40.00	1.9/16	349x200	310,07
3520-4100	41.00	1.5/8	354x205	325,43
3520-4250	42.50	1.43/64	354x205	362,76
3520-4300	43.00	1.11/16	359x210	362,80
3520-4450	44.50	1.3/8	359x210	397,50
3520-4600	46.00	-	364x215	411,61
3520-4750	47.50	1.7/8	364x215	444,64
3520-4850	48.50	1.29/32	369x220	462,28
3520-5100	51.00	2	412x225	562,76


INFORMAZIONE TECNICA PER INSERTI LIBERI

M/MF	
A	Ø di foratura o inferiore di prefilettatura.
B	Ø maggiore di prefilettatura (Minimo).
C	Ø dei fianchi della prefilettatura.
D	Ø dei fianchi dell'inserto installati.
E	Ø interno dell'inserto installato (Minimo).
FC	Ø esterno dell'inserto allo stato libero.
S	Profondità di foratura (Minima).
T	Profondità "utile" di filettatura (Minima).
Q	Filettatura "utile" dell'inserto.
NC	Numero di filetti.



MISURA M/MF	Punta		A max/min mm	FC min/max mm	NC max/min				
	mm	"			1.0D	1.5D	2.0D	2.5D	3.0D
M2 X 0.40	2.10	#45	2.177/2.087	2.49/2.70	3.30/3.00	5.70/5.20	8.10/7.40	10.50/9.60	13.00/11.80
M2.2 X 0.45	2.30	3/32	2.397/2.297	2.76/3.00	3.20/2.90	5.50/5.00	7.90/7.10	10.30/9.30	12.60/11.40
M2.5 X 0.45	2.60	#37	2.697/2.597	3.05/3.70	3.80/3.10	6.50/5.20	9.20/7.40	11.90/9.50	14.60/11.70
M3 X 0.50	3.20	1/8	3.220/3.108	3.61/4.35	4.30/3.40	7.20/5.80	10.10/8.20	13.10/10.50	16.00/12.90
M3.5 X 0.60	3.70	#27	3.755/3.630	4.24/4.95	4.10/3.40	7.00/5.80	9.80/8.20	12.60/10.50	15.50/12.90
M4 x 0.70	4.20	-	4.292/4.152	4.86/5.60	4.00/3.40	6.80/5.70	9.60/8.10	12.30/10.50	15.10/12.80
M5 X 0.80	5.20	13/64	5.333/5.173	5.98/6.80	4.50/3.90	7.60/6.50	10.60/9.20	13.70/11.80	16.70/14.40
M6 X 1.00	6.30	1/4	6.406/6.216	7.23/7.95	4.30/3.80	7.20/6.40	10.10/9.10	13.10/11.70	16.00/14.30
M7 X 1.00	7.30	9/32	7.406/7.216	8.22/9.20	5.30/4.60	8.70/7.70	12.10/10.70	15.60/13.70	19.00/16.70
M8 X 1.25	8.30	21/64	8.483/8.271	9.53/10.35	4.70/4.20	7.80/7.10	10.90/9.90	14.10/12.80	17.20/15.60
M8 X 1.00	8.30	21/64	8.406/8.216	9.39/10.25	6.10/5.60	10.00/9.10	13.80/12.50	17.70/16.00	21.50/19.50
M9 X 1.25	9.40	3/8	9.483/9.271	10.52/11.16	5.50/5.10	9.00/8.40	12.50/11.70	16.10/15.00	19.60/18.30
M9 x 1.00	9.30	23/64	9.406/9.216	10.40/11.23	7.10/6.50	11.50/10.50	15.80/14.50	20.20/18.50	24.50/22.50
M10 X 1.50	10.40	-	10.561/10.325	11.83/12.50	4.90/4.60	8.20/7.70	11.50/10.80	14.70/13.80	18.00/16.90
M10 X 1.25	10.30	13/32	10.483/10.271	11.74/12.65	6.10/5.60	10.00/9.20	13.80/12.70	17.70/16.30	21.50/19.80
M10 x 1.00	10.30	13/32	10.406/10.216	11.41/12.50	8.10/7.30	12.90/11.70	17.80/16.10	22.60/20.50	27.50/24.90
M11 X 1.50	11.40	-	11.561/11.325	12.82/13.59	5.60/5.20	9.20/8.60	12.80/12.00	16.40/15.40	20.00/18.70
M11 X 1.25	11.30	-	11.483/11.271	12.75/13.76	6.90/6.40	11.20/10.30	15.40/14.20	19.70/18.10	23.90/22.00
M11 X 1.00	11.30	-	11.406/11.216	12.42/13.41	9.10/8.40	14.40/13.30	19.80/18.20	25.10/23.10	30.40/28.00
M12 X 1.75	12.50	-	12.644/12.379	14.13/15.00	5.10/4.80	8.50/7.90	11.90/11.10	15.20/14.20	18.60/17.30
M12 X 1.50	12.40	31/64	12.561/12.325	14.09/15.20	6.10/5.60	10.00/9.20	13.80/12.70	17.70/16.20	21.50/19.80
M12 X 1.25	12.30	-	12.483/12.271	13.76/15.00	7.70/7.00	12.40/11.20	17.00/15.50	21.60/19.70	26.30/23.90
M12 X 1.00	12.30	-	12.406/12.216	13.43/14.49	10.10/9.30	15.90/14.70	21.70/20.00	27.60/25.40	33.40/30.80
M13 X 1.75	13.50	-	13.644/13.379	15.12/16.04	5.70/5.30	9.40/8.70	13.00/12.20	16.70/15.60	20.30/19.00
M13 X 1.50	13.25	-	13.561/13.325	15.10/16.29	6.80/6.20	11.00/10.10	15.20/13.90	19.30/17.80	23.50/21.60
M13 X 1.25	13.25	-	13.483/13.271	14.77/15.94	8.50/7.80	13.50/12.50	18.60/17.10	23.60/21.70	28.70/26.40
M14 X 2.00	14.50	-	14.733/14.433	16.43/17.35	5.30/5.00	8.70/8.20	12.10/11.40	15.60/14.60	19.00/17.90
M14 X 1.50	14.50	-	14.561/14.325	16.11/17.25	7.50/6.90	12.00/11.10	16.50/15.30	21.00/19.40	25.50/23.60
M14 X 1.25	14.25	9/16	14.483/14.271	15.78/17.03	9.30/8.60	14.70/13.60	20.20/18.60	25.60/23.60	31.00/28.60
M14 X 1.00	14.25	9/16	14.406/14.216	15.45/16.68	12.10/11.10	18.90/17.40	25.70/23.70	32.50/30.00	39.30/36.20
M15 X 2.00	15.50	39/64	15.733/15.433	17.42/18.48	5.80/5.40	9.50/8.80	13.10/12.30	16.80/15.70	20.50/19.20
M15 X 1.50	15.25	-	15.561/15.325	17.12/18.47	8.10/7.50	12.90/11.90	17.80/16.40	22.60/20.80	27.50/25.30
M16 X 2.00	16.50	-	16.733/16.433	18.41/19.60	6.30/5.90	10.20/9.50	14.20/13.20	18.10/16.90	22.00/20.50
M16 X 1.50	16.50	-	16.561/16.325	18.13/19.60	8.80/8.00	13.90/12.80	19.10/17.50	24.30/22.30	29.40/27.00
M18 X 2.50	19.00	3/4	18.896/18.541	21.04/22.00	5.50/5.20	9.00/8.60	12.50/11.90	16.10/15.30	19.60/18.60
M18 X 2.00	18.50	23/32	18.733/18.433	20.80/21.85	7.10/6.70	11.50/10.90	15.80/15.00	20.20/19.10	24.50/23.20
M18 X 1.50	18.50	23/32	18.561/18.325	20.15/21.75	10.10/9.30	15.90/14.60	21.70/20.00	27.60/25.40	33.40/30.70
M20 X 2.50	20.75	-	20.896/20.541	23.02/24.40	6.30/5.90	10.20/9.60	14.20/13.30	18.10/16.90	22.00/20.60
M20 X 2.00	20.50	13/16	20.733/20.433	22.82/24.05	8.10/7.70	12.90/12.20	17.80/16.80	22.60/21.40	27.50/25.90
M20 X 1.50	20.50	13/16	20.561/20.325	22.17/24.00	11.40/10.50	17.90/16.40	24.40/22.40	30.90/28.30	37.40/34.30
M22 X 2.50	22.75	-	22.896/22.541	25.00/26.90	7.10/6.50	11.40/10.50	15.80/14.50	20.10/18.50	24.50/22.50
M22 X 2.00	22.50	57/64	22.733/22.433	24.84/26.50	9.10/8.50	14.40/13.40	19.80/18.40	25.10/23.40	30.40/28.40
M22 X 1.50	22.50	57/64	22.561/22.325	24.19/26.45	12.70/11.60	19.90/18.10	27.00/24.60	34.20/31.10	41.30/37.60
M24 X 3.00	25.00	-	25.050/24.650	27.62/29.00	6.30/5.90	10.20/9.70	14.20/13.40	18.10/17.10	22.00/20.90
M24 X 2.00	24.50	31/32	24.733/24.433	26.86/29.10	10.10/9.20	15.90/14.60	21.70/19.90	27.60/25.30	33.40/30.60
M24 X 1.50	24.50	31/32	24.561/24.325	26.21/28.28	14.00/12.90	21.80/20.10	29.70/27.30	37.50/34.50	45.30/41.70
M26 X 1.50	26.50	-	26.561/26.325	28.23/30.46	15.40/14.20	23.80/22.00	32.30/29.80	40.80/37.60	49.20/45.40
M27 X 3.00	28.00	1.3/32	28.050/27.650	30.59/32.40	7.30/6.80	11.70/11.00	16.20/15.20	20.60/19.30	25.10/23.50
M27 X 2.00	27.50	1.5/64	27.733/27.433	29.89/32.30	11.60/10.60	18.10/16.70	24.70/22.70	31.30/28.80	37.90/34.80
M30 X 3.50	31.00	1.7/32	31.208/30.758	34.20/35.81	6.90/6.50	11.10/10.50	15.30/14.50	19.50/18.60	23.80/22.60
M30 X 3.00	31.00	1.7/32	31.050/30.650	34.24/36.10	8.10/7.60	12.90/12.20	17.80/16.80	22.60/21.30	27.50/25.90
M30 X 2.00	30.50	1.3/16	30.733/30.433	32.92/35.70	13.00/12.00	20.40/18.70	27.70/25.40	35.00/32.10	42.30/38.80
M33 X 3.50	34.00	1.21/64	34.208/33.758	37.17/38.80	7.70/7.40	12.40/11.80	17.00/16.20	21.70/20.70	26.40/25.10
M33 X 3.00	33.50	1.5/16	34.050/33.650	37.27/39.50	9.10/8.50	14.40/13.50	19.80/18.50	25.10/23.60	30.40/28.60
M33 X 2.00	33.50	1.5/16	33.733/33.433	35.95/39.20	14.50/13.30	22.60/20.60	30.60/28.00	38.70/35.30	46.80/42.70
M36 X 4.00	37.00	1.29/64	37.341/36.866	40.78/42.67	7.30/6.90	11.70/11.20	16.20/15.40	20.60/19.60	25.10/23.80
M36 X 3.00	37.00	1.29/64	37.050/36.650	40.30/42.70	10.10/9.50	15.90/14.90	21.70/20.40	27.60/25.90	33.40/31.40
M39 X 4.00	40.00	1.9/16	40.341/39.866	43.75/45.75	8.00/7.70	12.90/12.20	17.70/16.80	22.50/21.40	27.30/26.00
M42 X 4.50	43.00	1.11/16	43.505/42.975	47.37/49.00	7.60/7.30	12.20/11.80	16.80/16.20	21.50/20.70	26.10/25.10
M42 X 3.00	42.50	1.43/64	43.050/42.650	46.36/49.00	12.10/11.40	18.90/17.80	25.70/24.20	32.50/30.60	39.30/37.10

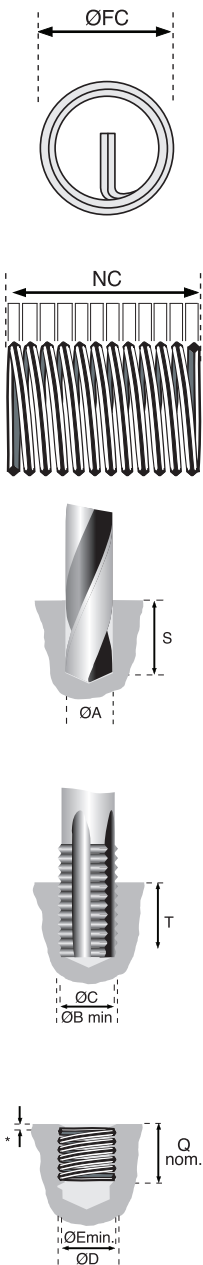


INFORMAZIONE TECNICA PER INSERTI LIBERI

B mm	C (5H) mm	D (4H) mm	C (6H) mm	D (5H) mm	E mm	S					T					Q				
						1.0D	1.5D	2.0D	2.5D	3.0D	1.0D	1.5D	2.0D	2.5D	3.0D	1.0D	1.5D	2.0D	2.5D	3.0D
2.520	2.296/2.260	1.796/1.740	2.311/2.260	1.811/1.740	1.567	3.80	4.80	5.80	6.80	7.80	3.40	4.40	5.40	6.40	7.40	2.00	3.00	4.00	5.00	6.00
2.785	2.532/2.492	1.968/1.908	2.547/2.492	1.983/1.908	1.713	4.23	5.33	6.43	7.53	8.63	3.78	4.88	5.98	7.08	8.18	2.20	3.30	4.40	5.50	6.60
3.085	2.832/2.792	2.268/2.208	2.847/2.792	2.283/2.208	2.013	4.53	5.78	7.03	8.28	9.53	4.08	5.33	6.58	7.83	9.08	2.50	3.75	5.00	6.25	7.50
3.650	3.367/3.325	2.738/2.675	3.384/3.325	2.755/2.675	2.459	5.25	6.75	8.25	9.75	11.25	4.75	6.25	7.75	9.25	10.75	3.00	4.50	6.00	7.50	9.00
4.279	3.940/3.890	3.181/3.110	3.959/3.890	3.200/3.110	2.850	6.20	7.95	9.70	11.45	13.20	5.60	7.35	9.10	10.85	12.60	3.50	5.25	7.00	8.75	10.50
4.909	4.509/4.455	3.620/3.545	4.529/4.455	3.640/3.545	3.242	7.15	9.15	11.15	13.15	15.15	6.45	8.45	10.45	12.45	14.45	4.00	6.00	8.00	10.00	12.00
6.039	5.577/5.520	4.560/4.480	5.597/5.520	4.580/4.480	4.134	8.60	11.10	13.60	16.10	18.60	7.80	10.30	12.80	15.30	17.80	5.00	7.50	10.00	12.50	15.00
7.299	6.719/6.650	5.445/5.350	6.742/6.650	5.468/5.350	4.917	10.50	13.50	16.50	19.50	22.50	9.50	12.50	15.50	18.50	21.50	6.00	9.00	12.00	15.00	18.00
8.299	7.719/7.650	6.445/6.350	7.742/7.650	6.468/6.350	5.917	11.50	15.00	18.50	22.00	25.50	10.50	14.00	17.50	21.00	24.50	7.00	10.50	14.00	17.50	21.00
9.624	8.886/8.812	7.288/7.188	8.912/8.812	7.313/7.188	6.647	13.63	17.63	21.63	25.63	29.63	12.38	16.38	20.38	24.38	28.38	8.00	12.00	16.00	20.00	24.00
9.299	8.719/8.650	7.445/7.350	8.742/8.650	7.468/7.350	6.917	12.50	16.50	20.50	24.50	28.50	11.50	15.50	19.50	23.50	27.50	8.00	12.00	16.00	20.00	24.00
10.624	9.886/9.812	8.288/8.188	9.912/9.812	8.313/8.188	7.647	14.63	19.13	23.63	28.13	32.63	13.38	17.88	22.38	26.88	31.38	9.00	13.50	18.00	22.50	27.00
10.299	9.719/9.650	8.445/8.350	9.742/9.650	8.468/8.350	7.917	13.50	18.00	22.50	27.00	31.50	12.50	17.00	21.50	26.00	30.50	9.00	13.50	18.00	22.50	27.00
11.949	11.061/10.974	9.138/9.026	11.089/10.974	9.166/9.026	8.376	16.75	21.75	26.75	31.75	36.75	15.25	20.25	25.25	30.25	35.25	10.00	15.00	20.00	25.00	30.00
11.624	10.886/10.812	9.288/9.188	10.912/10.812	9.313/9.188	8.647	15.63	20.63	25.63	30.63	35.63	14.38	19.38	24.38	29.38	34.38	10.00	15.00	20.00	25.00	30.00
11.299	10.724/10.650	9.445/9.350	10.742/10.650	9.468/9.350	8.917	14.50	19.50	24.50	29.50	34.50	13.50	18.50	23.50	28.50	33.50	10.00	15.00	20.00	25.00	30.00
12.949	12.061/11.974	10.138/10.026	12.089/11.974	10.166/10.026	9.376	17.75	23.25	28.75	34.25	39.75	16.25	21.75	27.25	32.75	38.25	11.00	16.50	22.00	27.50	33.00
12.624	11.898/11.812	10.300/10.188	11.926/11.812	10.328/10.188	9.647	16.63	22.13	27.63	33.13	38.63	15.38	20.88	26.38	31.88	37.38	11.00	16.50	22.00	27.50	33.00
12.299	11.724/11.650	10.445/10.350	11.742/11.650	10.468/10.350	9.917	15.50	21.00	26.50	32.00	37.50	14.50	20.00	25.50	31.00	36.50	11.00	16.50	22.00	27.50	33.00
14.273	13.236/13.137	10.988/10.863	13.271/13.137	11.023/10.863	10.106	19.88	25.88	31.88	37.88	43.88	18.13	24.13	30.13	36.13	42.13	12.00	18.00	24.00	30.00	36.00
13.949	13.067/12.974	11.144/11.026	13.099/12.974	11.176/11.026	10.376	18.75	24.75	30.75	36.75	42.75	17.25	23.25	29.25	35.25	41.25	12.00	18.00	24.00	30.00	36.00
13.624	12.898/12.812	11.300/11.188	12.926/12.812	11.328/11.188	10.647	17.63	23.63	29.63	35.63	41.63	16.38	22.38	28.38	34.38	40.38	12.00	18.00	24.00	30.00	36.00
13.299	12.724/12.649	11.450/11.350	12.749 /12.649	11.475/11.350	10.917	16.50	22.50	28.50	34.50	40.50	15.50	21.50	27.50	33.50	39.50	12.00	18.00	24.00	30.00	36.00
15.273	14.236/14.137	11.988/11.863	14.271/14.137	12.023/11.863	11.106	20.88	27.38	33.88	40.38	46.88	19.13	25.63	32.13	38.63	45.13	13.00	19.50	26.00	32.50	39.00
14.949	14.067/13.974	12.144/12.026	14.099/13.974	12.176/12.026	11.376	19.75	26.25	32.75	39.25	45.75	18.25	24.75	31.25	37.75	44.25	13.00	19.50	26.00	32.50	39.00
14.624	13.898/13.812	12.300/12.188	13.926/13.812	12.328/12.188	11.647	18.63	25.13	31.63	38.13	44.63	17.38	23.88	30.38	36.88	43.38	13.00	19.50	26.00	32.50	39.00
16.598	15.406/15.299	12.833/12.701	15.444/15.299	12.871/12.701	11.835	23.00	30.00	37.00	44.00	51.00	21.00	28.00	35.00	42.00	49.00	14.00	21.00	28.00	35.00	42.00
15.949	15.067/14.974	13.144/13.026	15.099/14.974	13.176/13.026	12.376	20.75	27.75	34.75	41.75	48.75	19.25	26.25	33.25	40.25	47.25	14.00	21.00	28.00	35.00	42.00
15.624	14.898/14.812	13.300/13.188	14.926/14.812	13.328/13.188	12.674	19.63	26.63	33.63	40.63	47.63	18.38	25.38	32.38	39.38	46.38	14.00	21.00	28.00	35.00	42.00
15.299	14.724/14.649	13.450/13.350	14.749 /14.649	13.475/13.350	12.917	18.50	25.50	32.50	39.50	46.50	17.50	24.50	31.50	38.50	45.50	14.00	21.00	28.00	35.00	42.00
17.598	16.406/16.299	13.833/13.701	16.444/16.299	13.871/13.701	12.835	24.00	31.50	39.00	46.50	54.00	22.00	29.50	37.00	44.50	52.00	15.00	22.50	30.00	37.50	45.00
16.949	16.067/15.974	14.144/14.026	16.099/15.974	14.176/14.026	13.376	21.75	29.25	36.75	44.25	51.75	20.25	27.75	35.25	42.75	50.25	15.00	22.50	30.00	37.50	45.00
18.598	17.406/17.299	14.833/14.701	17.444/17.299	14.871/14.701	13.835	25.00	33.00	41.00	49.00	57.00	23.00	31.00	39.00	47.00	55.00	16.00	24.00	32.00	40.00	48.00
17.949	17.067/16.974	15.144/15.026	17.099/16.974	15.176/15.026	14.376	22.75	30.75	38.75	46.75	54.75	21.25	29.25	37.25	45.25	53.25	16.00	24.00	32.00	40.00	48.00
21.248	19.738/19.624	16.516/16.376	19.778/19.624	16.556/16.376	15.294	29.25	38.25	47.25	56.25	65.25	26.75	35.75	44.75	53.75	62.75	18.00	27.00	36.00	45.00	54.00
20.598	19.406/19.299	16.833/16.701	19.444/19.299	16.871/16.701	15.835	27.00	36.00	45.00	54.00	63.00	25.00	34.00	43.00	52.00	61.00	18.00	27.00	36.00	45.00	54.00
19.949	19.067/18.974	17.144/17.026	19.099/18.974	17.176/17.026	16.376	24.75	33.75	42.75	51.75	60.75	23.25	32.25	41.25	50.25	59.25	18.00	27.00	36.00	45.00	54.00
23.248	21.738/21.624	18.516/18.376	21.778/21.624	18.556/18.376	17.294	31.25	41.25	51.25	61.25	71.25	28.75	38.75	48.75	58.75	68.75	20.00	30.00	40.00	50.00	60.00
22.598	21.406/21.299	18.833/18.701	21.444/21.299	18.871/18.701	17.835	29.00	39.00	49.00	59.00	69.00	27.00	37.00	47.00	57.00	67.00	20.00	30.00	40.00	50.00	60.00
21.949	21.067/20.974	19.144/19.026	21.099/20.974	19.176/19.026	18.376	26.75	36.75	46.75	56.75	66.75	25.25	35.25	45.25	55.25	65.25	20.00	30.00	40.00	50.00	60.00
25.248	23.738/23.624	20.516/20.376	23.778/23.624	20.556/20.376	19.294	33.25	44.25	55.25	66.25	77.25	30.75	41.75	52.75	63.75	74.75	22.00	33.00	44.00	55.00	66.00
24.598	23.406/23.299	20.833/20.701	23.444/23.299	20.871/20.701	19.835	31.00	42.00	53.00	64.00	75.00	29.00	40.00	51.00	62.00	73.00	22.00	33.00	44.00	55.00	66.00
23.949	23.067/22.974	21.144/21.026	23.099/22.974	21.176/21.026	20.376	28.75	39.75	50.75	61.75	72.75	27.25	38.25	49.25	60.25	71.25	22.00	33.00	44.00	55.00	66.00
27.897	26.093/25.948	22.221/22.051	26.135/25.948	22.263/22.051	20.752	37.50	49.50	61.50	73.50	85.50	34.50	46.50	58.50	70.50	82.50	24.00	36.00	48.00	60.00	72.00
26.598	25.414/25.299	22.841/22.701	25.454/25.299	22.881/22.701	21.835	33.00	45.00	57.00	69.00	81.00	31.00	43.00	55.00	67.00	79.00	24.00	36.00	48.00	60.00	72.00
25.949	25.044/24.975	23.121/23.026	25.135/24.975	23.186/23.026	22.376	30.75	42.75	54.75	66.75	78.75	29.25	41.25	53.25	65.25	77.25	24.00	36.00	48.00	60.00	72.00
27.949	27.044/26.975	25.121/25.026	27.135/26.975	25.186/25.026	24.376	32.75	45.75	58.75	71.75	84.75	31.25	44.25	57.25	70.25	83.25	26.00	39.00	52.00	65.00	78.00
30.897	29.093/28.948	25.221/25.051	29.135/28.948	25.263/25.051	23.752	40.50	54.00	67.50	81.00	94.50	37.50	51.00	64.50	78.00	91.50	27.00	40.50	54.00	67.50	81.00
29.598	28.414/28.299	25.841/25.																		


INFORMAZIONE TECNICA PER INSERTI LIBERI

UNF/UNC	BSF
A	Ø di foratura o interiore di prefilettatura.
B	Ø maggiore di prefilettatura (Minimo).
C	Ø dei fianchi della prefilettatura.
D	Ø dei fianchi dell'inserto installati.
E	Ø interno dell'inserto installato (Minimo).
FC	Ø esterno dell'inserto allo stato libero.
S	Profondità di foratura (Minima).
T	Profondità "utile" di filettatura (Minima).
Q	Filettatura "utile" dell'inserto.
NC	Numero di filetti.



MISURA UNF	Punta		A max/min mm	FC min/max mm	NC max/min					
	mm	"			1.0D	1.5D	2.0D	2.5D	3.0D	
No 2 - 64	2.30	3/32	2.36/2.27	2.79/3.05	3.70/3.40	6.30/5.80	8.90/8.20	11.60/10.50	14.20/12.90	
No 3 - 56	2.70	#37	2.71/2.61	3.05/3.81	3.70/3.10	6.40/5.20	9.00/7.40	11.60/9.60	14.30/11.80	
No 4 - 48	3.00	#31	3.07/2.96	3.56/4.06	3.70/3.20	6.40/5.40	9.00/7.60	11.60/9.80	14.20/12.10	
No 5 - 44	3.40	#30	3.41/3.3	4.06/4.32	3.70/3.40	6.30/5.80	8.90/8.20	11.50/10.60	14.20/13.00	
No 6 - 40	3.70	#27	3.75/3.64	4.32/4.83	3.70/3.20	6.30/5.50	9.00/7.80	11.60/10.10	14.20/12.40	
No 8 - 36	4.40	11/64	4.43/4.32	5.08/5.59	4.10/3.60	6.90/6.10	9.70/8.60	12.50/11.10	15.30/13.60	
No 10 - 32	5.10	-	5.12/5	5.84/6.6	4.30/3.80	7.20/6.40	10.10/9.00	13.00/11.60	15.90/14.20	
1/4 X 28	6.60	-	6.72/6.55	7.62/8.38	5.20/4.70	8.50/7.70	11.90/10.80	15.20/13.80	18.60/16.90	
5/16 X 24	8.20	-	8.35/8.17	9.4/10.16	5.60/5.10	9.20/8.50	12.80/11.70	16.40/15.00	20.00/18.30	
3/8 X 24	9.80	-	9.93/9.75	10.92/11.94	7.10/6.50	11.40/10.50	15.80/14.50	20.10/18.50	24.50/22.50	
7/16 X 20	11.50	29/64	11.58/11.39	12.95/13.97	6.90/6.30	11.10/10.20	15.30/14.00	19.50/17.90	23.70/21.70	
1/2 X 20	13.00	33/64	13.16/12.97	14.48/15.75	8.10/7.40	12.90/11.90	17.80/16.30	22.60/20.80	27.50/25.20	
9/16 X 18	14.75	-	14.79/14.59	16.26/17.53	8.30/7.60	13.30/12.20	18.20/16.80	23.10/21.30	28.10/25.90	
5/8 X 18	16.50	-	16.38/16.18	17.78/19.3	9.40/8.70	14.90/13.80	20.50/18.90	26.00/24.00	31.50/29.10	
3/4 X 16	19.50	49/64	19.6/19.39	21.34/22.86	10.10/9.30	15.90/14.70	21.70/20.10	27.60/25.50	33.40/30.90	
7/8 X 14	22.50	57/64	22.84/22.62	24.89/26.67	10.30/9.60	16.30/15.10	22.20/20.60	28.20/26.10	34.20/31.60	
1 X 12	26.00	-	26.11/25.86	28.45/30.48	10.10/9.40	16.00/14.80	21.80/20.30	27.70/25.70	33.50/31.10	
1 X 14	26.00	-	26.02/25.79	27.94/30.23	12.10/11.20	18.90/17.50	25.70/23.80	32.50/30.10	39.40/36.40	
1-1/8 X 12	29.50	1.5/32	29.32/29.03	31.75/33.78	11.60/10.80	18.20/16.90	24.80/23.00	31.40/29.20	38.00/35.30	
1-1/4 X 12	32.50	1.9/32	32.49/32.21	34.8/37.34	13.10/12.20	20.40/19.00	27.80/25.80	35.10/32.70	42.50/39.50	
1-3/8 X 12	35.50	1.13/32	35.67/35.38	38.1/40.89	14.60/13.50	22.70/21.00	30.80/28.50	38.80/36.00	46.90/43.50	
1-1/2 X 12	38.50	-	38.84/38.56	41.15/44.45	16.10/14.90	24.90/23.10	33.70/31.30	42.60/39.50	51.40/47.70	
UNC										
No 2 - 56	2.40	#41	2.39/2.28	2.79/3.05	3.10/2.80	5.40/4.80	7.80/6.90	10.10/9.00	12.50/11.10	
No 3 - 48	2.70	#37	2.74/2.63	3.05/3.56	3.20/2.80	5.50/4.90	7.90/7.00	10.30/9.00	12.70/11.20	
No 4 - 40	3.00	#31	3.11/2.98	3.56/4.06	2.80/2.40	4.90/4.30	7.10/6.20	9.20/8.10	11.40/10.00	
No 5 - 40	3.40	#30	3.44/3.31	4.06/4.32	3.30/2.90	5.70/5.00	8.10/7.20	10.50/9.30	13.00/11.50	
No 6 - 32	3.70	#27	3.82/3.68	4.57/4.83	2.70/2.40	4.80/4.30	7.00/6.20	9.10/8.20	11.20/10.10	
No 8 - 32	4.40	11/64	4.47/4.34	5.08/5.59	3.50/3.20	6.10/5.50	8.60/7.80	11.20/10.10	13.70/12.40	
No 10 - 24	5.10	-	5.21/5.05	6.1/6.6	2.80/2.60	5.00/4.60	7.20/6.70	9.40/8.70	11.60/10.70	
No 12 - 24	5.70	15/64	5.86/5.72	6.86/7.11	3.50/3.20	6.00/5.60	8.50/7.90	11.00/10.30	13.50/12.60	
1/4 X 20	6.70	17/64	6.87/6.62	7.87/8.38	3.30/3.10	5.70/5.30	8.10/7.60	10.50/9.90	13.00/12.10	
5/16 X 18	8.30	21/64	8.49/8.24	9.65/10.16	3.90/3.70	6.70/6.30	9.50/8.90	12.20/11.50	15.00/14.10	
3/8 X 16	9.90	25/64	10.12/9.87	11.43/11.94	4.30/4.10	7.20/6.80	10.10/9.60	13.10/12.40	16.00/15.20	
7/16 X 14	11.60	-	11.78/11.51	13.21/13.97	4.40/4.10	7.40/7.00	10.40/9.80	13.40/12.60	16.30/15.50	
1/2 X 13	13.00	33/64	13.4/13.12	14.99/15.75	4.80/4.50	8.00/7.50	11.10/10.60	14.30/13.60	17.50/16.60	
9/16 X 12	15.00	19/32	15.03/14.74	16.76/17.53	5.00/4.80	8.40/7.90	11.70/11.10	15.00/14.20	18.30/17.40	
5/8 X 11	16.50	-	16.68/16.38	18.8/19.56	5.10/4.90	8.50/8.10	11.90/11.30	15.20/14.50	18.60/17.70	
3/4 X 10	20.00	-	19.91/19.6	22.1/23.11	5.80/5.50	9.50/9.00	13.10/12.60	16.80/16.10	20.50/19.60	
7/8 X 9	23.00	29/32	23.17/22.84	25.65/26.67	6.20/5.90	10.00/9.60	13.90/13.30	17.80/17.00	21.70/20.70	
1 X 8	26.25	-	26.47/26.09	29.21/30.48	6.30/6.00	10.20/9.80	14.20/13.60	18.10/17.30	22.00/21.10	
1-1/8 X 7	29.50	1.5/32	29.74/29.36	33.02/34.54	6.20/5.90	10.10/9.60	14.00/13.30	17.90/17.00	21.80/20.70	
1-1/4 X 7	32.50	1.9/32	32.92/32.53	36.07/37.59	7.10/6.70	11.40/10.90	15.80/15.00	20.10/19.20	24.40/23.30	
1-3/8 X 6	36.00	-	36.35/35.84	40.13/41.66	6.50/6.20	10.60/10.10	14.60/14.00	18.70/17.80	22.70/21.70	
1-1/2 X 6	39.50	1.35/64	39.52/39.02	43.18/44.96	7.30/6.90	11.70/11.20	16.10/15.40	20.60/19.60	25.00/23.90	
BSF										
3/16 X 32	5.00	-	5.03/4.88	5.84/6.35	4.30/3.90	7.20/6.50	10.20/9.20	13.10/11.90	16.00/14.50	
1/4 X 26	6.60	-	6.71/6.53	7.62/8.38	4.80/4.30	7.90/7.10	11.20/9.90	14.40/12.70	17.50/15.60	
5/16 X 22	8.30	21/64	8.38/8.2	9.4/10.16	5.20/4.70	8.50/7.70	11.90/10.70	15.30/13.80	18.70/16.80	
3/8 X 20	9.80	-	9.96/9.78	11.18/12.19	5.80/5.30	9.40/8.60	13.20/12.00	16.90/15.30	20.50/18.70	
7/16 X 18	11.60	-	11.63/11.43	12.95/14.22	6.20/5.60	10.00/9.10	13.90/12.60	17.80/16.10	21.60/19.60	
1/2 X 16	13.25	-	13.26/13.03	14.73/16	6.30/5.70	10.20/9.30	14.20/12.90	18.10/16.50	22.00/20.00	
9/16 X 16	14.75	-	14.88/14.66	16.26/17.78	7.30/6.60	11.70/10.60	16.10/14.70	20.60/18.70	25.00/22.70	
5/8 X 14	16.30	41/64	16.48/16.26	18.29/19.56	7.10/6.50	11.30/10.40	15.70/14.30	20.00/18.30	24.30/22.20	
3/4 X 12	19.50	49/64	19.69/19.43	21.84/23.37	7.30/6.70	11.70/10.80	16.20/14.90	20.70/19.00	25.10/23.00	
7/8 X 11	22.75	-	22.86/22.61	25.15/27.18	7.90/7.20	12.60/11.60	17.40/15.90	22.10/20.30	26.90/24.60	
1 X 10	26.25	-	26.52/26.19	28.7/30.99	8.30/7.60	13.20/12.10	18.10/16.60	23.10/21.20	28.00/25.70	
1-1/8 X 9	29.50	1.5/32	29.72/29.36	32.26/34.8	8.40/7.80	13.30/12.30	18.40/17.00	23.40/21.50	28.40/26.10	
1-1/4 X 9	32.50	1.9/32	32.89/32.54	35.31/38.1	9.50/8.80	15.00/13.90	20.60/19.00	26.20/24.20	31.70/29.30	
1-3/8 X 8	36.00	-	36.07/35.71	39.12/42.16	9.30/8.50	14.60/13.50	20.10/18.50	25.50/23.50	31.00/28.50	
1-1/2 X 8	39.00	1.17/32	39.24/38.89	42.16/45.97	10.30/9.40	16.10/14.80	22.10/20.10	28.00/25.50	33.90/30.90	



INFORMAZIONE TECNICA PER INSERTI LIBERI

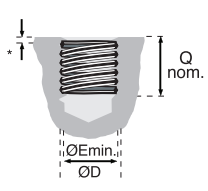
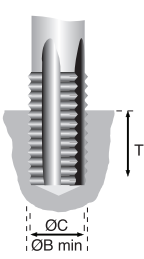
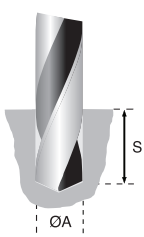
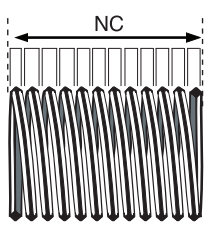
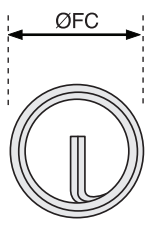
B mm	C (5H) mm	D (4H) mm	C (6H) mm	D (5H) mm	E mm	S					T					Q				
						1.0D	1.5D	2.0D	2.5D	3.0D	1.0D	1.5D	2.0D	2.5D	3.0D	1.0D	1.5D	2.0D	2.5D	3.0D
0.106	0.0974/0.0962	0.0779/0.0759	0.0980/0.0962	0.0786/0.0759	0.0691	0.156	0.199	0.242	0.285	0.328	0.141	0.184	0.227	0.270	0.313	0.086	0.129	0.172	0.215	0.258
0.122	0.1119/0.1106	0.0895/0.0874	0.1126/0.1106	0.0902/0.0874	0.0797	0.179	0.229	0.278	0.328	0.377	0.161	0.210	0.260	0.310	0.359	0.099	0.148	0.198	0.247	0.297
0.139	0.1270/0.1255	0.1008/0.0985	0.1278/0.1255	0.1016/0.0985	0.0894	0.206	0.262	0.318	0.374	0.430	0.185	0.241	0.297	0.353	0.409	0.112	0.168	0.224	0.280	0.336
0.155	0.1414/0.1398	0.1126/0.1102	0.1422/0.1398	0.1134/0.1102	0.1004	0.227	0.290	0.352	0.414	0.477	0.204	0.267	0.329	0.391	0.454	0.125	0.187	0.250	0.312	0.375
0.171	0.1559/0.1542	0.1243/0.1218	0.1568/0.1542	0.1252/0.1218	0.111	0.250	0.319	0.388	0.457	0.526	0.225	0.294	0.363	0.432	0.501	0.138	0.207	0.276	0.345	0.414
0.200	0.1839/0.1820	0.1487/0.1460	0.1848/0.1820	0.1496/0.1460	0.134	0.289	0.371	0.453	0.535	0.617	0.261	0.343	0.425	0.507	0.589	0.164	0.246	0.328	0.410	0.492
0.231	0.2123/0.2103	0.1726/0.1697	0.2133/0.2103	0.1736/0.1697	0.156	0.331	0.426	0.521	0.616	0.711	0.299	0.394	0.489	0.584	0.679	0.190	0.285	0.380	0.475	0.570
0.296	0.2754/0.2732	0.2300/0.2268	0.2765/0.2732	0.2311/0.2268	0.2113	0.411	0.536	0.661	0.786	0.911	0.375	0.500	0.625	0.750	0.875	0.250	0.375	0.500	0.625	0.750
0.367	0.3421/0.3395	0.2890/0.2854	0.3433/0.3395	0.2902/0.2854	0.2674	0.500	0.656	0.812	0.969	1.125	0.458	0.614	0.771	0.927	1.083	0.312	0.469	0.625	0.781	0.937
0.429	0.4047/0.4020	0.3516/0.3479	0.4059/0.4020	0.3528/0.3479	0.3299	0.562	0.750	0.937	1.124	1.312	0.521	0.708	0.896	1.083	1.271	0.375	0.562	0.750	0.937	1.125
0.503	0.4731/0.4700	0.4091/0.4050	0.4744/0.4700	0.4104/0.4050	0.3834	0.662	0.881	1.100	1.319	1.537	0.612	0.831	1.050	1.269	1.487	0.437	0.656	0.875	1.094	1.312
0.565	0.5357/0.5325	0.4717/0.4675	0.5371/0.5325	0.4731/0.4675	0.4459	0.725	0.975	1.225	1.475	1.725	0.675	0.925	1.175	1.425	1.675	0.500	0.750	1.000	1.250	1.500
0.635	0.6020/0.5986	0.5308/0.5264	0.6035/0.5986	0.5323/0.5264	0.5024	0.811	1.093	1.374	1.655	1.936	0.756	1.038	1.319	1.600	1.881	0.562	0.844	1.125	1.406	1.687
0.697	0.6646/0.6611	0.5934/0.5889	0.6661/0.6611	0.5949/0.5889	0.5649	0.874	1.187	1.500	1.812	2.124	0.819	1.132	1.444	1.757	2.069	0.625	0.937	1.250	1.562	1.875
0.831	0.7945/0.7906	0.7143/0.7094	0.7961/0.7906	0.7159/0.7094	0.6823	1.031	1.406	1.781	2.156	2.531	0.969	1.344	1.719	2.094	2.469	0.750	1.125	1.500	1.875	2.250
0.968	0.9257/0.9214	0.8339/0.8286	0.9274/0.9214	0.8356/0.8286	0.7977	1.196	1.634	2.071	2.509	2.946	1.125	1.562	2.000	2.437	2.875	0.875	1.312	1.750	2.187	2.625
1.108	1.0589/1.0542	0.9516/0.9459	1.0608/1.0542	0.9535/0.9459	0.9098	1.375	1.875	2.375	2.875	3.375	1.292	1.792	2.292	2.792	3.292	1.000	1.500	2.000	2.500	3.000
1.093	1.0508/1.0464	0.9590/0.9536	1.0527/1.0464	0.9609/0.9536	0.9277	1.32	1.82	2.32	2.82	3.32	1.25	1.75	2.25	2.75	3.25	1.000	1.500	2.000	2.500	3.000
1.233	1.1841/1.1792	1.0768/1.0709	1.1860/1.1792	1.0787/1.0709	1.0348	1.500	2.062	2.625	3.187	3.750	1.417	1.979	2.542	3.104	3.667	1.125	1.687	2.250	2.812	3.375
1.358	1.3092/1.3042	1.2019/1.1959	1.3112/1.3042	1.2039/1.1959	1.1598	1.625	2.250	2.875	3.500	4.125	1.542	2.167	2.792	3.417	4.042	1.250	1.875	2.500	3.125	3.750
1.483	1.4343/1.4292	1.3270/1.3209	1.4364/1.4292	1.3291/1.3209	1.2848	1.750	2.438	3.125	3.813	4.500	1.667	2.354	3.042	3.729	4.417	1.375	2.062	2.750	3.437	4.125
1.608	1.5595/1.5542	1.4522/1.4459	1.5615/1.5542	1.4542/1.4459	1.4098	1.875	2.625	3.375	4.125	4.875	1.792	2.542	3.292	4.042	4.792	1.500	2.250	3.000	3.750	4.500
0.109	0.0989/0.0976	0.0765/0.0744	0.0996/0.0976	0.0772/0.0744	0.0667	0.166	0.209	0.252	0.295	0.338	0.148	0.191	0.234	0.277	0.320	0.086	0.129	0.172	0.215	0.258
0.126	0.1139/0.1125	0.0877/0.0855	0.1147/0.1125	0.0885/0.0855	0.0764	0.193	0.242	0.292	0.341	0.391	0.172	0.221	0.271	0.320	0.370	0.099	0.148	0.198	0.247	0.297
0.145	0.1298/0.1282	0.0982/0.0958	0.1307/0.1282	0.0991/0.0958	0.0849	0.224	0.280	0.336	0.392	0.448	0.199	0.255	0.311	0.367	0.423	0.112	0.168	0.224	0.280	0.336
0.158	0.1429/0.1412	0.1113/0.1088	0.1437/0.1412	0.1121/0.1088	0.0979	0.237	0.300	0.362	0.425	0.487	0.212	0.275	0.337	0.400	0.462	0.125	0.187	0.250	0.312	0.375
0.179	0.1601/0.1583	0.1204/0.1177	0.1611/0.1583	0.1214/0.1177	0.1040	0.279	0.348	0.417	0.486	0.555	0.247	0.316	0.385	0.454	0.523	0.138	0.207	0.276	0.345	0.414
0.205	0.1862/0.1843	0.1465/0.1437	0.1872/0.1843	0.1475/0.1437	0.1300	0.305	0.387	0.469	0.551	0.633	0.273	0.355	0.437	0.519	0.601	0.164	0.246	0.328	0.410	0.492
0.244	0.2193/0.2171	0.1661/0.1629	0.2204/0.2171	0.1672/0.1629	0.1450	0.377	0.472	0.567	0.662	0.757	0.336	0.431	0.526	0.621	0.716	0.190	0.285	0.380	0.475	0.570
0.270	0.2454/0.2431	0.1922/0.1889	0.2465/0.2431	0.1933/0.1889	0.1710	0.403	0.511	0.619	0.727	0.835	0.362	0.470	0.578	0.686	0.794	0.216	0.324	0.432	0.540	0.648
0.315	0.2851/0.2825	0.2211/0.2175	0.2863/0.2825	0.2223/0.2175	0.1959	0.475	0.600	0.725	0.850	0.975	0.425	0.550	0.675	0.800	0.925	0.250	0.375	0.500	0.625	0.750
0.385	0.3515/0.3486	0.2803/0.2764	0.3529/0.3486	0.2817/0.2764	0.2524	0.562	0.718	0.875	1.031	1.187	0.507	0.663	0.819	0.975	1.132	0.312	0.469	0.625	0.781	0.937
0.456	0.4189/0.4156	0.3387/0.3344	0.4203/0.4156	0.3401/0.3344	0.3073	0.656	0.844	1.031	1.219	1.406	0.594	0.781	0.969	1.156	1.344	0.375	0.562	0.750	0.937	1.125
0.530	0.4875/0.4839	0.3957/0.3911	0.4890/0.4839	0.3972/0.3911	0.3602	0.758	0.977	1.196	1.415	1.633	0.687	0.906	1.125	1.344	1.562	0.437	0.656	0.875	1.094	1.312
0.600	0.5537/0.5499	0.4548/0.4500	0.5554/0.5499	0.4565/0.4500	0.4167	0.846	1.096	1.346	1.596	1.846	0.769	1.019	1.269	1.519	1.769	0.500	0.750	1.000	1.250	1.500
0.671	0.6208/0.6167	0.5135/0.5084	0.6225/0.6167	0.5152/0.5084	0.4723	0.937	1.219	1.500	1.781	2.062	0.854	1.135	1.417	1.698	1.979	0.562	0.844	1.125	1.406	1.687
0.743	0.6885/0.6841	0.5714/0.5660	0.6903/0.6841	0.5732/0.5660	0.5266	1.034	1.347	1.659	1.972	2.284	0.943	1.256	1.568	1.881	2.193	0.625	0.937	1.250	1.562	1.875
0.880	0.8196/0.8149	0.6907/0.6850	0.8216/0.8149	0.6927/0.6850	0.6417	1.200	1.575	1.950	2.325	2.700	1.100	1.475	1.850	2.225	2.600	0.750	1.125	1.500	1.875	2.250
1.019	0.9522/0.9471	0.8089/0.8028	0.9543/0.9471	0.8110/0.8028	0.7547	1.375	1.812	2.250	2.687	3.125	1.264	1.701	2.139	2.576	3.014	0.875	1.312	1.750	2.187	2.625
1.162	1.0868/1.0812	0.9254/0.9188	1.0890/1.0812	0.9276/0.9188	0.8647	1.562	2.062	2.562	3.062	3.562	1.437	1.937	2.437	2.937	3.437	1.000	1.500	2.000	2.500	3.000
1.311	1.2239/1.2178	1.0393/1.0322	1.2262/1.2178	1.0416/1.0322	0.9704	1.768	2.330	2.893	3.455	4.018	1.625	2.187	2.750	3.312	3.875	1.125	1.687	2.250	2.812	3.375
1.436	1.3490/1.3428	1.1644/1.1572	1.3514/1.3428	1.1668/1.1572	1.0954	1.893	2.518	3.143	3.768	4.393	1.750	2.375	3.000	3.625	4.250	1.250	1.875	2.500	3.125	3.750
1.591	1.4900/1.4832	1.2745/1.2667	1.4926/1.4832	1.2771/1.2667	1.1946	2.125	2.812	3.500	4.187	4.875	1.958	2.646	3.333	4.021	4.708	1.375	2.062	2.750	3.437	4.125
1.716	1.6151/1.6082	1.3996/1.3917	1.6177/1.6082	1.4022/1.3917	1.3196	2.250	3.000	3.750	4.500	5.250	2.083	2.833	3.583	4.333	5.083	1.500	2.250	3.000	3.750	4.500
0.225	0.2087/0.2075	0.1697/0.1675	0.2098/0.2075	0.1708/0.1675	0.1475	0.328	0.422	0.515	0.609	0.703	0.297	0.390	0.484	0.578	0.672	0.187	0.281	0.375	0.469	0.562
0.296	0.2762/0.2747	0.2279/0.2254	0.2774/0.2747	0.2291/0.2254	0.2008	0.423	0.548	0.673	0.798	0.923	0.385	0.510	0.635	0.760	0.885	0.250	0.375	0.500	0.625	0.750
0.366	0.3433/0.3416	0.2861/0.2834	0.3447/0.3416	0.2875/0.2834	0.2543	0.517	0.673	0.829	0.986	1.142	0.472	0.628	0.784	0.940	1.096	0.312	0.469	0.625	0.781	0.937
0.434	0.4089/0.4070	0.3459/0.3430	0.4104/0.4070	0.3474/0.3430	0.3110	0.600	0.787													



INFORMAZIONE TECNICA PER INSERTI LIBERI

BSW/BSP BA/BSB/UN-8 PITCH

A	Ø di foratura o interiore di prefilettatura.
B	Ø maggiore di prefilettatura (Minimo).
C	Ø dei fianchi della prefilettatura.
D	Ø dei fianchi dell'inserto installati.
E	Ø interno dell'inserto installato (Minimo).
FC	Ø esterno dell'inserto allo stato libero.
S	Profondità di foratura (Minima).
T	Profondità "utile" di filettatura (Minima).
Q	Filettatura "utile" dell'inserto.
NC	Numero di filetti.



BSW	mm	"	A max/min mm	FC min/max mm	1.0D	1.5D	NC max/min		
							2.0D	2.5D	3.0D
1/8 X 40	3.40	#30	3.43/3.28	3.81/4.32	3.40/3.00	5.80/5.10	8.40/7.30	10.90/9.40	13.40/11.60
3/16 X 24	2.70	#37	2.71/2.61	3.05/3.81	3.70/3.10	6.40/5.20	9.00/7.40	11.60/9.60	14.30/11.80
1/4 X 20	6.70	17/64	6.78/6.63	7.87/8.38	3.40/3.10	5.90/5.40	8.50/7.70	11.00/9.90	13.50/12.20
5/16 X 18	8.30	21/64	8.48/8.33	9.4/10.16	4.10/3.80	6.90/6.40	9.80/9.00	12.60/11.60	15.50/14.20
3/8 X 16	10.00	-	10.11/9.91	11.18/11.94	4.40/4.10	7.40/6.90	10.50/9.70	13.50/12.50	16.50/15.30
7/16 X 14	11.60	-	11.76/11.51	13.21/13.97	4.60/4.20	7.60/7.10	10.70/9.90	13.80/12.80	16.90/15.60
1/2 X 12	13.00	33/64	13.34/13.08	14.99/16	4.50/4.10	7.40/7.00	10.50/9.80	13.60/12.60	16.60/15.40
9/16 X 12	14.75	-	14.94/14.68	16.51/17.53	5.20/4.90	8.60/8.00	12.00/11.20	15.40/14.40	18.80/17.60
5/8 X 11	16.50	-	16.84/16.59	18.29/19.56	5.30/5.00	8.70/8.20	12.20/11.50	15.70/14.70	19.20/17.90
3/4 X 10	20.00	-	20.09/19.84	21.84/22.86	6.00/5.60	9.70/9.20	13.50/12.70	17.30/16.30	21.10/19.80
7/8 X 9	23.25	-	23.27/23.01	25.15/26.67	6.30/6.00	10.20/9.70	14.30/13.40	18.20/17.10	22.20/20.90
1 X 8	26.50	-	26.52/26.187.4	28.7/30.48	6.50/6.10	10.40/9.90	14.50/13.70	18.60/17.50	22.60/21.20
1-1/8 X 7	30.00	1.11/64	30.12/29.743.4	32.51/34.29	6.30/5.90	10.20/9.60	14.30/13.40	18.20/17.10	22.20/20.80
1-1/4 X 7	33.00	1.19/64	33.3/32.918.4	35.56/37.59	7.20/6.80	11.60/10.90	16.00/15.00	20.40/19.20	24.90/23.30
1-1/2 X 6	39.50	1.35/64	39.9/39.268.4	42.67/45.21	7.50/7.00	11.90/11.30	16.50/15.50	21.10/19.80	25.60/24.00

BSP

1/8 X 28	10.00	-	10.16/9.91	10.92/11.94	1.90/1.70	3.60/3.20	5.30/4.80	7.00/6.40	8.80/7.90
1/4 X 19	13.75	-	13.72/13.46	14.99/16.26	3.10/2.80	5.40/5.00	7.80/7.10	10.10/9.20	12.50/11.40
3/8 X 19	17.00	-	17.27/17.02	18.54/20.07	5.50/5.00	8.90/8.20	12.50/11.40	16.00/14.60	19.50/17.90
1/2 X 14	21.50	27/32	21.59/21.34	23.37/25.15	5.30/4.90	8.80/8.10	12.20/11.20	15.70/14.40	19.10/17.60
5/8 X 14	23.50	-	23.55/23.24	25.4/27.43	7.10/6.50	11.30/10.40	15.70/14.40	20.00/18.40	24.30/22.30
3/4 X 14	27.00	1.1/16	27.08/26.75	28.96/31.24	8.80/8.10	13.90/12.90	19.20/17.60	24.30/22.40	29.50/27.20
7/8 X 14	30.50	1.13/16	30.81/30.48	32.77/35.31	10.50/9.70	16.50/15.30	22.60/20.80	28.70/26.40	34.70/32.00
1 X 11	33.75	-	33.91/33.53	36.32/39.12	9.30/8.60	14.70/13.60	20.10/18.60	25.60/23.60	31.00/28.60
1-1/4 X 11	42.50	1.43/64	42.67/42.29	44.96/48.51	12.00/11.10	18.70/17.40	25.60/23.70	32.40/30.00	39.20/36.20
1-1/2 X 11	48.50	1.29/32	48.79/48.41	51.05/54.86	14.70/13.60	22.80/21.20	31.00/28.70	39.20/36.30	47.30/43.80

BA

BA 6	2.90	#33	2.95/2.87	3.56/3.81	3.60/3.30	6.20/5.60	8.70/7.90	11.20/10.20	13.80/12.50
BA 5	3.40	#30	3.43/3.28	3.81/4.32	3.80/3.40	6.40/5.80	9.00/8.10	11.60/10.50	14.20/12.90
BA 4	3.80	#25	3.86/3.73	4.32/4.83	3.80/3.50	6.40/5.80	9.10/8.20	11.70/10.60	14.40/13.00
BA 3	4.30	-	4.34/4.22	5.08/5.33	3.90/3.60	6.70/6.00	9.40/8.50	12.10/10.90	14.80/13.40
BA 2	4.90	#10	4.98/4.85	5.59/6.1	4.20/3.80	6.90/6.30	9.80/8.80	12.60/11.40	15.40/13.90
BA 1	5.50	7/32	5.59/5.41	6.35/6.86	4.20/3.80	7.10/6.40	9.90/9.00	12.80/11.60	15.60/14.10
BA 0	6.20	C	6.25/6.12	7.11/7.87	4.30/3.90	7.20/6.60	10.10/9.20	13.00/11.80	16.00/14.50

BSB

3/16 X 32	5.10	-	5.21/4.95	5.84/6.6	4.10/3.70	6.90/6.20	9.70/8.70	12.50/11.20	15.30/13.70
1/4 X 26	6.60	-	6.86/6.55	7.87/8.64	4.60/4.10	7.60/6.90	10.70/9.60	13.80/12.30	16.80/15.10
5/16 X 26	8.00	5/16	8.43/8.13	9.4/10.41	6.20/5.50	10.00/9.00	13.90/12.50	17.80/16.00	21.60/19.40
3/8 X 26	9.80	-	10.03/9.73	10.92/12.19	7.80/7.00	12.40/11.20	17.10/15.40	21.70/19.60	26.40/23.80
7/16 X 26	11.10	7/16	11.61/11.33	12.7/13.97	9.40/8.40	14.80/13.40	20.30/18.30	25.80/23.30	31.20/28.20
1/2 X 26	12.70	1/2	13.21/12.9	14.22/15.49	11.00/9.90	17.20/15.60	23.50/21.20	29.80/26.90	36.00/32.60
9/16 X 26	14.75	-	14.78/14.5	15.75/17.27	12.60/11.40	19.70/17.80	26.70/24.20	33.80/30.50	40.90/36.90
5/8 X 26	16.50	-	16.38/16.08	17.53/19.05	14.20/12.80	22.00/19.90	29.90/27.10	37.80/34.20	45.70/41.30
3/4 X 26	19.50	49/64	19.53/19.25	20.57/22.61	17.40/15.70	26.90/24.30	36.30/32.90	45.80/41.50	55.30/50.10
1 X 24	25.75	1.1/64	25.91/25.63	27.18/29.72	21.80/19.80	33.50/30.40	45.30/41.00	57.00/51.60	68.70/62.20

UN-8 PITCH

1.1/8 X 8	28.50	1.1/8	29.34/28.7	31.75/33.02	7.50/7.10	12.00/11.50	16.60/15.80	21.10/20.10	25.60/24.50
1.1/4 X 8	32.00	1.1/4	32.51/31.88	35.31/36.32	8.30/8.10	13.30/12.90	18.30/17.70	23.30/22.60	28.20/27.40
1.3/8 X 8	35.00	1.3/8	35.69/35.05	38.61/39.88	9.30/9.00	14.80/14.30	20.20/19.60	25.70/24.90	31.20/30.20
1.1/2 X 8	38.00	1.1/2	38.86/38.23	41.91/42.93	10.30/10.00	16.20/15.80	22.20/21.50	28.10/27.30	34.10/33.10
1.5/8 X 8	41.00	1.5/8	42.04/41.4	45.21/48.26	11.20/10.50	17.70/16.40	24.10/22.40	30.50/28.40	37.00/34.30
1.3/4 X 8	44.50	1.3/4	45.21/44.58	48.26/51.82	12.20/11.40	19.20/17.80	26.10/24.20	33.00/30.70	39.90/37.10
1.7/8 X 8	47.50	1.7/8	48.39/47.75	51.56/54.86	13.20/12.40	20.60/19.30	28.10/26.20	35.50/33.20	42.90/40.10
2 X 8	51.00	2	51.56/50.93	54.86/57.91	14.20/13.40	22.10/20.90	30.00/28.40	38.00/35.90	45.90/43.30



INFORMAZIONE TECNICA PER INSERTI LIBERI

B mm	C (5H) mm	D (4H) mm	C (6H) mm	D (5H) mm	E mm	S					T					Q				
						1.0D	1.5D	2.0D	2.5D	3.0D	1.0D	1.5D	2.0D	2.5D	3.0D	1.0D	1.5D	2.0D	2.5D	3.0D
0.155	0.1420/0.1410	0.1109/0.1090	0.1430/0.1410	0.1119/0.1090	0.0930	0.237	0.300	0.362	0.425	0.487	0.212	0.275	0.337	0.400	0.462	0.125	0.187	0.250	0.312	0.375
0.237	0.2154/0.2142	0.1631/0.1608	0.2166/0.2142	0.1643/0.1608	0.1341	0.375	0.469	0.562	0.656	0.750	0.333	0.427	0.521	0.614	0.708	0.187	0.281	0.375	0.469	0.562
0.309	0.2836/0.2820	0.2206/0.2180	0.2849/0.2820	0.2219/0.2180	0.1860	0.475	0.600	0.725	0.850	0.975	0.425	0.550	0.675	0.800	0.925	0.250	0.375	0.500	0.625	0.750
0.378	0.3498/0.3480	0.2797/0.2769	0.3512/0.3480	0.2811/0.2769	0.2413	0.562	0.718	0.875	1.031	1.187	0.507	0.663	0.819	0.975	1.132	0.312	0.469	0.625	0.781	0.937
0.448	0.4170/0.4150	0.3380/0.3350	0.4185/0.4150	0.3395/0.3350	0.2950	0.656	0.844	1.031	1.219	1.406	0.594	0.781	0.969	1.156	1.344	0.375	0.562	0.750	0.937	1.125
0.521	0.4855/0.4833	0.3950/0.3918	0.4871/0.4833	0.3966/0.3918	0.3461	0.758	0.977	1.196	1.415	1.633	0.687	0.906	1.125	1.344	1.562	0.437	0.656	0.875	1.094	1.312
0.597	0.5557/0.5533	0.4500/0.4466	0.5575/0.5533	0.4518/0.4466	0.3932	0.875	1.125	1.375	1.625	1.875	0.792	1.042	1.292	1.542	1.792	0.500	0.750	1.000	1.250	1.500
0.660	0.6184/0.6158	0.5127/0.5091	0.6201/0.6158	0.5144/0.5091	0.4557	0.937	1.219	1.500	1.781	2.062	0.854	1.135	1.417	1.698	1.979	0.562	0.844	1.125	1.406	1.687
0.731	0.6859/0.6832	0.5705/0.5668	0.6878/0.6832	0.5724/0.5668	0.5086	1.034	1.347	1.659	1.972	2.284	0.943	1.256	1.568	1.881	2.193	0.625	0.937	1.250	1.562	1.875
0.867	0.8171/0.8141	0.6900/0.6860	0.8191/0.8141	0.6920/0.6860	0.6220	1.200	1.575	1.950	2.325	2.700	1.100	1.475	1.850	2.225	2.600	0.750	1.125	1.500	1.875	2.250
1.005	0.9495/0.9462	0.8082/0.8039	0.9516/0.9462	0.8103/0.8039	0.7328	1.375	1.812	2.250	2.687	3.125	1.264	1.701	2.139	2.576	3.014	0.875	1.312	1.750	2.187	2.625
1.146	1.0836/1.0801	0.9245/0.9200	1.0859/1.0801	0.9268/0.9200	0.8400	1.562	2.062	2.562	3.062	3.562	1.437	1.937	2.437	2.937	3.437	1.000	1.500	2.000	2.500	3.000
1.291	1.2203/1.2165	1.0383/1.0335	1.2227/1.2165	1.0407/1.0335	0.9420	1.768	2.330	2.893	3.455	4.018	1.625	2.187	2.750	3.312	3.875	1.125	1.687	2.250	2.812	3.375
1.416	1.3454/1.3415	1.1634/1.1585	1.3479/1.3415	1.1659/1.1585	1.0670	1.893	2.518	3.143	3.768	4.393	1.750	2.375	3.000	3.625	4.250	1.250	1.875	2.500	3.125	3.750
1.694	1.6110/1.6067	1.3986/1.3933	1.6137/1.6067	1.4013/1.3933	1.2866	2.250	3.000	3.750	4.500	5.250	2.083	2.833	3.583	4.333	5.083	1.500	2.250	3.000	3.750	4.500
0.426	0.4076/0.4058	0.3629/0.3601	0.4090/0.4058	0.3643/0.3601	0.3372	0.286	0.348	0.411	0.437	0.536	0.250	0.312	0.375	0.437	0.500	0.125	0.187	0.250	0.312	0.375
0.580	0.5539/0.5517	0.4875/0.4843	0.5556/0.5517	0.4892/0.4843	0.4506	0.487	0.612	0.737	0.862	0.987	0.434	0.559	0.684	0.809	0.934	0.250	0.375	0.500	0.625	0.750
0.718	0.6920/0.6897	0.6256/0.6223	0.6937/0.6897	0.6273/0.6223	0.5886	0.612	0.799	0.987	1.174	1.362	0.559	0.747	0.934	1.122	1.309	0.375	0.562	0.750	0.937	1.125
0.909	0.8735/0.8708	0.7830/0.7793	0.8754/0.8708	0.7849/0.7793	0.7336	0.821	1.071	1.321	1.571	1.821	0.750	1.000	1.250	1.500	1.750	0.500	0.750	1.000	1.250	1.500
0.986	0.9506/0.9478	0.8601/0.8563	0.9524/0.9478	0.8619/0.8563	0.8106	0.946	1.258	1.571	1.883	2.196	0.875	1.187	1.500	1.812	2.125	0.625	0.937	1.250	1.562	1.875
1.126	1.0898/1.0868	0.9993/0.9953	1.0918/1.0868	1.0013/0.9953	0.9496	1.071	1.446	1.821	2.196	2.571	1.000	1.375	1.750	2.125	2.500	0.750	1.125	1.500	1.875	2.250
1.274	1.2378/1.2348	1.1473/1.1433	1.2399/1.2348	1.1494/1.1433	1.0976	1.196	1.634	2.071	2.509	2.946	1.125	1.562	2.000	2.437	2.875	0.875	1.312	1.750	2.187	2.625
1.416	1.3705/1.3673	1.2551/1.2508	1.3727/1.3673	1.2573/1.2508	1.1926	1.409	1.909	2.409	2.909	3.409	1.318	1.818	2.318	2.818	3.318	1.000	1.500	2.000	2.500	3.000
1.757	1.7118/1.7083	1.5964/1.5918	1.7141/1.7083	1.5987/1.5918	1.5336	1.660	2.284	2.909	3.534	4.159	1.568	2.193	2.818	3.443	4.068	1.250	1.875	2.500	3.125	3.750
1.989	1.9440/1.9403	1.8286/1.8238	1.9464/1.9403	1.8310/1.8238	1.7656	1.909	2.659	3.409	4.159	4.909	1.818	2.568	3.318	4.068	4.818	1.500	2.250	3.000	3.750	4.500
0.134	0.1252/0.1226	0.1014/0.0976			0.0850	0.204	0.259	0.314	0.369	0.424	0.183	0.238	0.293	0.348	0.404	0.110	0.165	0.220	0.275	0.331
0.152	0.1426/0.1399	0.1159/0.1120			0.0980	0.230	0.293	0.356	0.419	0.482	0.207	0.270	0.333	0.396	0.459	0.126	0.189	0.252	0.315	0.378
0.171	0.1605/0.1574	0.1305/0.1262			0.1106	0.259	0.329	0.400	0.471	0.542	0.233	0.303	0.374	0.445	0.516	0.142	0.212	0.283	0.354	0.425
0.194	0.1821/0.1786	0.1488/0.1441			0.1268	0.291	0.371	0.452	0.533	0.613	0.262	0.343	0.423	0.504	0.585	0.161	0.242	0.323	0.403	0.484
0.221	0.2079/0.2042	0.1709/0.1659			0.1468	0.328	0.421	0.513	0.606	0.698	0.297	0.389	0.482	0.574	0.667	0.185	0.277	0.370	0.462	0.555
0.249	0.2342/0.2299	0.1929/0.1874			0.1661	0.368	0.472	0.576	0.681	0.785	0.333	0.437	0.541	0.646	0.750	0.209	0.313	0.417	0.522	0.626
0.281	0.2645/0.2598	0.2185/0.2126			0.1890	0.413	0.531	0.649	0.768	0.886	0.374	0.492	0.610	0.728	0.846	0.236	0.354	0.472	0.590	0.709
0.232	0.2112/0.2136	0.1738/0.1709			0.1543	0.33	0.42	0.52	0.61	0.70	0.30	0.39	0.48	0.58	0.67	0.187	0.281	0.375	0.469	0.562
0.304	0.2790/0.2817	0.2328/0.2295			0.2090	0.42	0.55	0.67	0.80	0.92	0.38	0.51	0.63	0.76	0.88	0.250	0.375	0.500	0.625	0.750
0.367	0.3415/0.3444	0.2965/0.2920			0.2715	0.49	0.64	0.80	0.95	1.11	0.45	0.60	0.76	0.92	1.07	0.312	0.469	0.625	0.781	0.937
0.429	0.4040/0.4070	0.3583/0.3545			0.3340	0.55	0.74	0.92	1.11	1.30	0.51	0.70	0.88	1.07	1.26	0.375	0.562	0.750	0.937	1.125
0.492	0.4665/0.4697	0.4210/0.4170			0.3965	0.61	0.83	1.05	1.27	1.49	0.57	0.79	1.01	1.23	1.45	0.437	0.656	0.875	1.094	1.312
0.554	0.5290/0.5323	0.4837/0.4795			0.4590	0.67	0.92	1.17	1.42	1.67	0.63	0.88	1.13	1.38	1.63	0.500	0.750	1.000	1.250	1.500
0.617	0.5915/0.5945	0.5464/0.5420			0.5215	0.74	1.02	1.30	1.58	1.86	0.70	0.98	1.26	1.54	1.82	0.562	0.844	1.125	1.406	1.687
0.679	0.6540/0.6575	0.6090/0.6045			0.5840	0.80	1.11	1.42	1.74	2.05	0.76	1.07	1.38	1.70	2.01	0.625	0.937	1.250	1.562	1.875
0.804	0.7790/0.7827	0.7343/0.7295			0.7090	0.92	1.30	1.67	2.05	2.42	0.88	1.26	1.63	2.01	2.38	0.750	1.125	1.500	1.875	2.250
1.059	1.0314/1.0355	0.9828/0.9778			0.9556	1.19	1.69	2.19	2.69	3.19	1.15	1.65	2.15	2.65	3.15	1.000	1.500	2.000	2.500	3.000
1.261	1.1757/1.1688	1.1/4	1.0528/1.0438			1.69	2.25	2.81	3.38	3.94	1.56	2.13	2.69	3.25	3.81	1.125	1.688	2.250	2.81	3.38
1.386	1.3008/1.2938	1.3/8	1.1780/1.1688			1.81	2.44	3.06	3.69	4.31	1.69	2.31	2.94	3.56	4.19	1.250	1.875	2.500	3.13	3.75
1.511	1.4259/1.4188	1.1/2	1.3031/1.2938			1.94	2.62	3.31	4.00	4.69	1.81	2.50	3.19	3.88	4.56	1.375	2.062	2.750	3.44	4.13
1.636	1.5510/1.5438	1.5/8	1.4283/1.4188			2.06	2.81	3.56	4.31	5.06	1.94	2.69	3.44	4.19	4.94	1.500	2.250	3.000	3.75	4.50
1.761	1.6762/1.6688	1.3/4	1.5535/1.5438			2.19	3.00	3.81	4.63	5.44	2.06	2.88	3.69	4.50	5.31	1.625	2.438	3.250	4.06	4.88
1.886	1.8013/1.7938	1.7/8	1.6786/1.6688			2.31	3.19	4.06	4.94	5.81	2.19	3.06	3.94	4.81	5.69	1.750	2.625	3.500	4.38	5.25
2.011	1.9264/1.9188	2	1.8038/1.7938			2.44	3.37	4.31	5.25	6.19	2.31	3.25	4.19	5.13	6.06	1.875	2.812	3.750	4.69	5.63
2.136	2.0515/2.0438	2.1/8	1.9289/1.9188			2.56	3.56	4.56	5.56	6.56	2.44	3.44	4.44	5.44	6.44	2.000	3.000	4.000	5.00	6.00

TABELLA PER LA CONSULTAZIONE DEGLI UTENSILI DI INSTALLAZIONE DEGLI INSERTI


MC	MF	SPARK	UNC	UNF	BSW	BSF	BA	BSC	NPT	BSP	UN-8	Ref.	Ref.	Ref.
2X0.40	-	-	-	-	-	-	-	-	-	-	-	3500-HIT2	3500-TB1	3500-RT1
2.20X0.45	-	-	2GX56	-	-	-	-	-	-	-	-	3500-HIT2	3500-TB2	3500-RT1
2.50X0.45	-	-	3GX48	3GX56	-	-	#6	-	-	-	-	3500-HIT3	3500-TB3	3500-RT1
-	-	-	4GX40	4GX48	1/8X40	-	-	-	-	-	-	3500-HIT4	3500-TB4	3500-RT1
3X0.50	-	-	4GX40	4GX48	1/8X40	-	-	-	-	-	-	3500-HIT4	3500-TB4	3500-RT2
-	-	-	5GX40	-	-	-	-	-	-	-	-	3500-HIT4	3500-TB4	3500-RT1
3.50X0.60	-	-	-	-	-	-	-	-	-	-	-	3500-HIT5	3500-TB5	3500-RT2
-	-	-	6GX32	6GX40	-	-	#4	-	-	-	-	3500-HIT5	3500-TB5	3500-RT1
4X0.70	-	-	8GX32	8GX36	-	3/16X32	-	-	-	-	-	3500-HIT6	3500-TB6	3500-RT2
-	-	-	8GX32	8GX36	-	-	-	-	-	-	-	3500-HIT6	3500-TB6	3500-RT1
5X0.80	-	-	12GX24	10GX32	3/16X24	3/16X32	#1	-	-	-	-	3500-HIT8	3500-TB8	3500-RT2
-	-	-	12GX24	12GX28	-	-	-	-	-	-	-	3500-HIT8	3500-TB8	3500-RT2
6X1.00	-	-	1/4X20	1/4X28	1/4X20	1/4X26	#0	1/4X26	-	-	-	3500-HIT9	3500-TB9	3500-RT2
7X1.00	-	-	5/16X18	-	5/16X18	5/16X22	#0	-	1/16X27	-	-	3500-HIT10	3500-TB11	3500-RT2
8X1.25	8X1.00	-	5/16X18	5/16X24	3/8X16	5/16X22	-	5/16X26	-	-	-	3500-HIT11	3500-TB12	3500-RT2
9X1.25	9X1.00	10X1.00	3/8X16	3/8X24	-	3/8X20	-	3/8X26	-	-	-	3500-HIT13	3500-TB12	3500-RT2
-	10X1.00	-	3/8X16	-	3/8X16	3/8X20	-	-	-	-	-	3500-HIT13	3500-TB12	3500-RT3
10X1.50	10X1.25	-	-	-	-	-	-	-	1/8X27	-	-	3500-HIT13	3500-TB13	3500-RT2
-	-	-	-	3/8X24	-	-	-	3/8X26	-	-	-	3500-HIT13	3500-TB13	3500-RT3
-	10X1.00	-	-	-	-	-	-	-	-	-	-	3500-HIT13	3500-TB13	3500-RT2
11X1.50	11X1.25	-	7/16X14	7/16X20	7/16X14	7/16X18	-	7/16X26	-	1/8X28	-	3500-HIT14	3500-TB14	3500-RT3
-	11X1.00	-	-	-	-	-	-	-	-	-	-	3500-HIT14	3500-TB14	3500-RT3
12X1.75	12X1.50	10X1.25	1/2X13	1/2X20	1/2X12	1/2X16	-	1/2X26	-	-	-	3500-HIT15	3500-TB15	3500-RT3
-	12X1.25	-	-	-	-	-	-	-	-	-	-	3500-HIT15	-	-
-	12X1.00	12X1.25	-	-	-	-	-	-	-	-	-	3500-HIT15	3500-TB15	3500-RT3
13X1.75	13X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT15	3500-TB15	3500-RT3
-	13X1.25	-	-	-	-	-	-	-	-	-	-	3500-HIT16	-	3500-RT3
14X2.00	14X1.50	14X1.25	9/16X12	9/16X18	9/16X12	9/16X16	-	-	-	1/4X18	-	3500-HIT16	-	3500-RT3
-	14X1.00	-	-	-	-	-	-	-	-	-	-	3500-HIT16	-	3500-RT3
15X2.00	15X1.50	-	-	-	-	-	-	-	1/4X18	-	-	3500-HIT16	-	3500-RT3
-	-	14X1.25	-	-	-	-	-	-	-	-	-	3500-HIT17	-	-
16X2.00	16X1.50	-	5/8X11	5/8X18	5/8X11	5/8X14	-	-	3/8X18	-	-	3500-HIT18	-	3500-RT3
18X2.50	18X2.00	18X1.50	3/4X10	-	3/4X10	3/4X12	-	-	-	3/8X19	-	3500-HIT20	-	3500-RT3
-	18X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT20	-	-
20X2.50	20X2.00	-	-	3/4X16	-	-	-	-	-	-	-	3500-HIT21	-	3500-RT3
-	20X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT21	-	3500-RT3
22X2.50	22X2.00	-	7/8X9	7/8X14	7/8X9	7/8X11	-	-	1/2X14	-	-	3500-HIT22	-	3500-RT3
-	22X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT22	-	3500-RT3
24X3.00	24X2.00	-	1X8	1X12	1X8	1X10	-	-	-	1/2X14	-	3500-HIT23	-	3500-RT3
-	24X1.50	-	-	1X14	-	-	-	-	-	5/8X14	-	3500-HIT23	-	3500-RT3
-	26X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT24	-	3500-RT4
27X3.00	27X2.00	-	-	-	-	-	-	-	-	-	-	3500-HIT24	-	3500-RT4
-	27X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT24	-	3500-RT4
-	28X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT24	-	3500-RT4
30X3.50	30X2.00	-	1.1/8X7	1.1/8X12	-	-	-	-	-	-	-	3500-HIT25	-	3500-RT4
-	30X3.00	-	1.1/8-7	1.1/8-12	-	-	-	-	-	-	1.1/8X8	3500-HIT25	-	-
-	30X1.50	-	1.1/4X7	1.1/4X12	-	-	-	-	-	-	-	3500-HIT26	-	3500-RT4
33X3.50	33X2.00	-	1.3/8X6	1.3/8X12	-	-	-	-	-	3/4X14	1.1/4X8	3500-HIT26	-	3500-RT4
-	-	-	1.3/8-6	1.3/8-12	-	-	-	-	1X11.5	7/8X14	1.3/8X8	3500-HIT27	-	-
-	-	-	-	-	-	-	-	-	-	1X11	-	3500-HIT27	-	-
36X4.00	36X3.00	-	1.1/2X6	1.1/2X12	-	-	-	-	-	-	1.1/2X8	3500-HIT28	-	3500-RT4
39X4.00	36X2.00	-	-	-	-	-	-	-	-	-	-	3500-HIT28	-	3500-RT4
-	36X1.50	-	-	-	-	-	-	-	-	-	-	3500-HIT28	-	3500-RT4
42X4.50	-	-	-	-	-	-	-	-	-	-	1.5/8X8	3500-HIT28	-	-
-	44X3.00	-	-	-	-	-	-	-	-	-	1.3/4X8	3500-HIT28	-	-
48X5.00	-	-	-	-	-	-	-	-	-	-	1.7/8X8	3500-HIT30	-	-
-	50X2.00	-	-	-	-	-	-	-	-	-	2X8	3500-HIT30	-	-



INSERTI DI BLOCAGGIO CON CHIAVE

MS51831F, MILITARY SPECIFICATION

Gli inserti di sicurezza Loksert sono facili da installare e il loro assemblaggio è ideale per sostituire filettature danneggiate o usurate, praticamente in qualsiasi materiale: ferroso, non ferroso e non metallico. Sono realizzati in acciaio al carbonio o acciaio inossidabile di altissima qualità. Un inserto Loksert viene fornito con le linguette di serraggio preassemblate. Le filettature di serraggio posizionate strategicamente posizionano l'inserto alla profondità corretta rispetto alla superficie del materiale di alloggiamento. I Loksert sono consigliati per la riparazione e la creazione di filettature in una vasta gamma di applicazioni, tra cui ferriere e fonderie, e sono particolarmente raccomandati per casi di elevata usura e vibrazioni, come l'estrazione mineraria, edilizia e attrezzatura ad alto movimento.

Caratteristiche e Vantaggi

- Si installano utilizzando maschi e punte standard.
- Solidi, sono costituiti da linguette di serraggio che garantiscono un'elevata sicurezza meccanica contro la rotazione.
- Installazione semplice. Inserire manualmente l'inserto nel foro e, una volta installato, toccare le linguette nelle fessure dell'inserto.
- Consigliati per l'uso su un'ampia gamma di materiali di alloggiamento.
- Impossibile mescolare le filettature durante l'installazione.
- Nell'occorrenza semplice processo di estrazione.
- Senza perno di arresto da tagliare e rimuovere.
- Disponibili in misure metriche, pollici e per candele.
- Disponibili a parete sottile ed a parete rinforzata.



M/MF Metrica e metrica fine



UNC Filettatura Americana UNC



UNF Filettatura Americana fine UNF



Inserto di sicurezza



PD Inserto a parete sottile



PR Inserto a parete rinforzata



AC Inserto in acciaio al carbonio



INOX Inserto in acciaio inossidabile



...X Codice famiglia



Filettatura **interna** dell'inserto



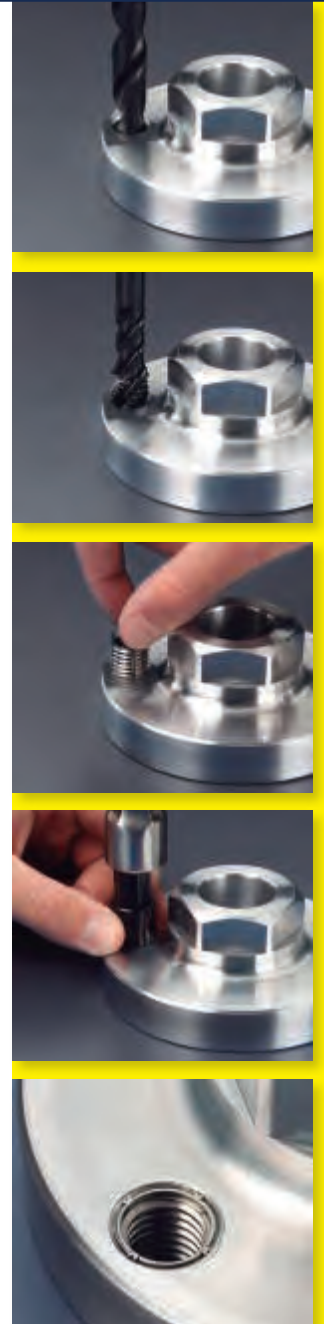
Filettatura **esterna** dell'inserto



Passo in mm.



Lunghezza dell'inserto



INSERTI DI BLOCCAGGIO

M
MF

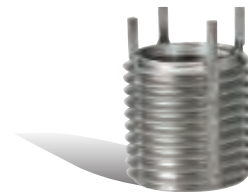
M/MF

UNC/UNF

PD

PD

...TW



				AC	INOX	
				€	€	€
M 5 x 0.80	8 x 1.25	8.00	6.90	3620-5.00TW	6,17	3720-5.00TW 13,46
M 6 x 1.00	10 x 1.25	10.00	8.80	3620-6.00TW	6,57	3720-6.00TW 13,73
M 8 x 1.00	12 x 1.25	12.00	10.80	3621-8.00TW	8,79	3721-8.00TW 14,63
M 8 x 1.25	12 x 1.25	12.00	10.80	3620-8.00TW	7,40	3720-8.00TW 14,26
M 10 x 1.25	14 x 1.50	14.00	12.80	3621-10.00TW	10,97	3721-10.00TW 16,79
M 10 x 1.50	14 x 1.50	14.00	12.80	3620-10.00TW	10,87	3720-10.00TW 16,63
M 12 x 1.25	16 x 1.50	16.00	14.75	3621-12.00TW	13,58	3721-12.00TW 21,44
M 12 x 1.75	16 x 1.50	16.00	14.75	3620-12.00TW	13,35	3720-12.00TW 20,93

UNC

UNC

				€	€	€
UNC (J) N°10 - 24	5/16 x 18	7.87	6.90	3632-10GTW	4,63	3732-10GTW 11,64
UNC (J) 1/4 - 20	3/8 x 16	9.40	8.40	3632-1/4TW	4,95	3732-1/4TW 12,78
UNC (J) 5/16 - 18	7/16 x 14	10.92	10.10	3632-5/16TW	5,28	3732-5/16TW 14,23
UNC (J) 3/8 - 16	1/2 x 13	12.70	11.50	3632-3/8TW	5,92	3732-3/8TW 14,63
UNC (J) 7/16 - 14	9/16 x 12	14.22	13.00	3632-7/16TW	7,68	3732-7/16TW 17,79
UNC (J) 1/2 - 13	5/8 x 11	15.75	14.75	3632-1/2TW	8,96	3732-1/2TW 20,52

UNF

UNF

				€	€	€
UNF (J) N°10 - 32	5/16 x 18	7.87	6.90	3634-10GTW	4,63	3734-10GTW 11,64
UNF (J) 1/4 - 28	3/8 x 16	9.40	8.40	3634-1/4TW	4,95	3734-1/4TW 12,78
UNF (J) 5/16 - 24	7/16 x 14	10.92	10.10	3634-5/16TW	5,28	3734-5/16TW 14,23
UNF (J) 3/8 - 24	1/2 x 13	12.70	11.50	3634-3/8TW	5,92	3734-3/8TW 14,63
UNF (J) 7/16 - 20	9/16 x 12	14.22	13.00	3634-7/16TW	7,68	3734-7/16TW 17,79
UNF (J) 1/2 - 20	5/8 x 11	15.75	14.75	3634-1/2TW	8,96	3734-1/2TW 20,52

1

Forare



2

Filettare



3

Installare



4

Nascondere linguette



INSERTI DI BLOCCAGGIO



				AC	INOX		
				€	€	€	
				3620-4.00HD	11,68	3720-4.00HD	15,29
				3620-5.00HD	6,80	3720-5.00HD	16,47
				3620-6.00HD	7,10	3720-6.00HD	16,61
				3621-8.00HD	8,97	3721-8.00HD	17,41
				3620-8.00HD	7,54	3720-8.00HD	17,41
				3621-10.00HD	11,07	3721-10.00HD	20,15
				3620-10.00HD	11,07	3720-10.00HD	19,80
				3621-12.00HD	13,85	3721-12.00HD	21,86
				3620-12.00HD	13,80	3720-12.00HD	21,86
				3621-14.00HD	16,61	3721-14.00HD	25,00
				3620-14.00HD	21,36	3720-14.00HD	30,71
				3621-16.00HD	19,81	3721-16.00HD	28,23
				3620-16.00HD	22,45	3720-16.00HD	33,86
				3621-18.00HD	29,07	3721-18.00HD	43,61
				3621-20.00HD	35,08	3721-20.00HD	51,73
				3620-20.00HD	41,93	3720-20.00HD	62,40
				3621-22.00HD	41,20	3721-22.00HD	61,79
				3621-24.00HD	62,75	3721-24.00HD	94,12
				3620-24.00HD	76,32	3720-24.00HD	113,58



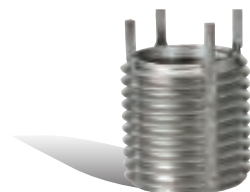
INSERTI DI BLOCAGGIO

UNC

UNF



...HD








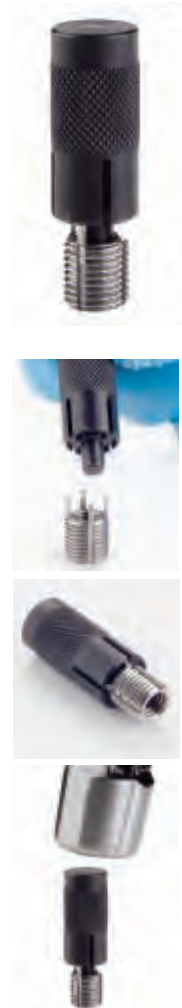
				AC	€	INOX	€
UNC (J) N°8 - 32	5/16x18	7.87	6.90	3632-8GHD	6,39	3732-8GHD	12,78
UNC (J) N°10 - 24	3/8x16	7.87	8.40	3632-10GHD	4,63	3732-10GHD	11,64
UNC (J) 1/4 - 20	7/16x14	9.40	10.10	3632-1/4HD	4,95	3732-1/4HD	12,78
UNC (J) 5/16 - 18	1/2x13	10.92	11.50	3632-5/16HD	5,27	3732-5/16HD	14,31
UNC (J) 3/8 - 16	9/16x12	12.70	13.00	3632-3/8HD	5,91	3732-3/8HD	15,17
UNC (J) 7/16 - 14	5/8x11	15.75	14.75	3632-7/16HD	7,67	3732-7/16HD	22,04
UNC (J) 1/2 - 13	3/4x16	15.75	17.75	3632-1/2HD	8,96	3732-1/2HD	22,68
UNC (J) 9/16 - 12	3/4x16	20.57	17.75	3632-9/16HD	12,30	3732-9/16HD	24,02
UNC (J) 5/8 - 11	7/8x14	22.10	21.00	3632-5/8HD	14,23	3732-5/8HD	27,31
UNC (J) 3/4 - 10	1-1/8x12	28.45	27.00	3632-3/4HD	20,29	3732-3/4HD	35,55
UNC (J) 7/8 - 9	1-1/4x12	31.75	30.00	3632-7/8HD	26,36	3732-7/8HD	55,57
UNC (J) 1 - 8	1-3/8x12	34.80	33.25	3632-1HD	53,34	3732-1HD	112,01
UNC (J) 1.1/8 - 7	1-1/2x12	41.15	36.50	3632-1.1/8HD	255,80	3732-1.1/8HD	-
UNC (J) 1.1/4 - 7	1-5/8x12	45.97	39.50	3632-1.1/4HD	318,24	3732-1.1/4HD	-
UNC (J) 1.1/2 - 6	1-7/8x12	50.80	46.00	3632-1.1/2HD	552,27	3732-1.1/2HD	-


					€		€
UNF (J) N°10 - 32	3/8x16	7.87	8.40	3634-10GHD	4,63	3734-10GHD	11,64
UNF (J) 1/4 - 28	7/16x14	7.87	10.10	3634-1/4HD	4,95	3734-1/4HD	12,78
UNF (J) 5/16 - 24	1/2x13	9.40	11.50	3634-5/16HD	5,27	3734-5/16HD	14,31
UNF (J) 3/8 - 24	9/16x12	10.92	13.00	3634-3/8HD	5,91	3734-3/8HD	15,17
UNF (J) 7/16 - 20	5/8x11	12.70	14.75	3634-7/16HD	7,67	3734-7/16HD	22,04
UNF (J) 1/2 - 20	3/4x16	15.75	17.75	3634-1/2HD	8,96	3734-1/2HD	22,68
UNF (J) 9/16 - 18	3/4x16	15.75	17.75	3634-9/16HD	12,30	3734-9/16HD	24,02
UNF (J) 5/8 - 18	7/8x14	20.57	21.00	3634-5/8HD	14,23	3734-5/8HD	27,31
UNF (J) 3/4 - 16	1-1/8x12	22.10	27.00	3634-3/4HD	20,29	3734-3/4HD	35,55
UNF (J) 7/8 - 14	1-1/4x12	28.45	30.00	3634-7/8HD	26,36	3734-7/8HD	55,57
UNF (J) 1 - 12	1-3/8x12	31.75	33.25	3634-1HD	53,34	3734-1HD	112,01
UNF (J) 1 - 14	1-3/8x12	34.80	33.25	3635-1HD	96,81	3735-1HD	-
UNF (J) 1.1/8 - 12	1-1/2x12	41.15	36.50	3634-1.1/8HD	255,80	3734-1.1/8HD	-
UNF (J) 1.1/4 - 12	1-5/8x12	45.97	39.50	3634-1.1/4HD	318,24	3734-1.1/4HD	-
UNF (J) 1.1/2 - 12	1-7/8x12	45.97	46.00	3634-1.1/2HD	552,27	3734-1.1/2HD	-

UTENSILI DI INSTALLAZIONE



	 PD	...TT	 PR	...HT	 PD	 PR	...T
		€		€			€
M 4	-	-	3600-4.00HT	98,32	-	-	-
M 5	3600-5.00TT	99,89	3600-5.00HT	99,89	3600-190T		55,81
M 6	3600-6.00TT	102,75	3600-6.00HT	102,75	3600-250T		51,12
M 8	3600-8.00TT	106,68	3600-8.00HT	106,68	3600-312T		61,30
M 10	3600-10.00TT	115,29	3600-10.00HT	115,29	3600-375T		61,30
M 12	3600-12.00TT	123,63	3600-12.00HT	123,63	3600-500T		67,02
M 14	-	-	3600-14.00HT	134,58	-		-
M 16	-	-	3600-16.00HT	139,27	3600-625T		67,02
M 18	-	-	3600-18.00HT	142,92	-		-
M 20	-	-	3600-20.00HT	148,40	3600-875T		79,02
M 22	-	-	3600-22.00HT	153,08	3600-875T		79,02
M 24	-	-	3600-24.00HT	169,27	3600-875T		79,02



		€		€		€
8G	-	-	3600-8GHT	117,39	-	-
10G	3600-10GTT	106,63	3600-10GHT	117,39	3600-190T	55,81
1/4	3600-1/4TT	110,41	3600-1/4HT	122,33	3600-250T	51,12
5/16	3600-5/16TT	122,33	3600-5/16HT	122,33	3600-312T	61,30
3/8	3600-3/8TT	139,35	3600-3/8HT	129,87	3600-375T	61,30
7/16	3600-7/16TT	128,72	3600-7/16HT	133,00	3600-375T	61,30
1/2	3600-1/2TT	133,00	3600-1/2HT	145,27	3600-500T	67,02
9/16	-	-	3600-9/16HT	145,27	3600-500T	67,02
5/8	-	-	3600-5/8HT	167,71	3600-625T	67,02
3/4	-	-	3600-3/4HT	194,04	3600-875T	79,02
7/8	-	-	3600-7/8HT	205,51	3600-875T	79,02
1	-	-	3600-1HT	203,96	3600-100T	79,02
1-1/8	-	-	3600-1.1/8HT	571,68	-	-
1-1/4	-	-	3600-1.1/4HT	618,10	-	-
1-1/2	-	-	3600-1.1/2HT	727,13	-	-



KIT DI INSERTI DI BLOCCIO



M 5 x 0.80	8.00 x 1.25	8.00	3620-5.00TWK	AC	INOX	5	6.9	M03M08X1,25	3600-190T	
				€	€					
M 6 x 1.00	10.00 x 1.25	10.00	3620-6.00TWK	194,76	3720-6.00TWK	226,30	5	8.8	M03M10X1,25	3600-250T
M 8 x 1.25	12.00 x 1.25	12.00	3620-8.00TWK	246,73	3720-8.00TWK	276,09	5	10.8	M03M12X1,25	3600-312T
M 10 x 1.50	14.00 x 1.50	14.00	3620-10.00TWK	306,75	3720-10.00TWK	327,25	5	12.8	M03M14X1,50	3600-375T
M 12 x 1.75	16.00 x 1.50	16.00	3620-12.00TWK	326,61	3720-12.00TWK	351,17	5	14.75	M03M16X1,50	3600-500T

MF 8 x 1.00	12.00 x 1.25	12.00	3621-8.00TWK <th>AC</th> <th>INOX</th> <th rowspan="2">5</th> <th rowspan="2">10.8</th> <th rowspan="2">M03M12X1,25</th> <th rowspan="2">3600-312T</th>	AC	INOX	5	10.8	M03M12X1,25	3600-312T	
				€	€					
MF 10 x 1.25	14.00 x 1.50	14.00	3621-10.00TWK	306,75	3721-10.00TWK	327,25	5	12.8	M03M14X1,50	3600-375T
MF 12 x 1.25	16.00 x 1.50	16.00	3621-12.00TWK	333,40	3721-12.00TWK	357,95	5	14.75	M03M16X1,50	3600-500T

UNC №10 x 24	UNC 5/16 x 18	7,87	3632-10GTWK <th>AC</th> <th>INOX</th> <th rowspan="2">5</th> <th rowspan="2">6.90</th> <th rowspan="2">M03NC5/16X18</th> <th rowspan="2">3600-190T</th>	AC	INOX	5	6.90	M03NC5/16X18	3600-190T	
				€	€					
UNC 1/4 x 20	UNC 3/8 x 16	9,40	3632-1/4TWK	182,36	3732-1/4TWK	230,60	5	8.40	M03NC3/8X16	3600-250T
UNC 5/16 x 18	UNC 7/16 x 14	10,92	3632-5/16TWK	240,74	3732-5/16TWK	290,15	5	10.10	M03NC7/16X14	3600-312T
UNC 3/8 x 16	UNC 1/2 x 13	12,70	3632-3/8TWK	209,37	3732-3/8TWK	258,28	5	11.50	M03NC1/2X13	3600-375T
UNC 7/16 x 14	UNC 9/16 x 12	14,22	3632-7/16TWK	271,85	3732-7/16TWK	318,71	5	13.00	M03NC9/16X12	3600-375T
UNC 1/2 x 13	UNC 5/8 x 11	15,75	3632-1/2TWK	301,94	3732-1/2TWK	353,21	5	14.75	M03NC5/8X11	3600-500T

UNF №10 x 32	UNC 5/16 x 18	7,87	3634-10GTWK <th>AC</th> <th>INOX</th> <th rowspan="2">5</th> <th rowspan="2">6.90</th> <th rowspan="2">M03NC5/16X18</th> <th rowspan="2">3600-190T</th>	AC	INOX	5	6.90	M03NC5/16X18	3600-190T	
				€	€					
UNF 1/4 x 28	UNC 3/8 x 16	9,40	3634-1/4TWK	182,36	3734-1/4TWK	230,60	5	8.40	M03NC3/8X16	3600-250T
UNF 5/16 x 24	UNC 7/16 x 14	10,92	3634-5/16TWK	244,27	3734-5/16TWK	293,67	5	10.10	M03NC7/16X14	3600-312T
UNF 3/8 x 24	UNC 1/2 x 13	12,70	3634-3/8TWK	209,37	3734-3/8TWK	258,28	5	11.50	M03NC1/2X13	3600-375T
UNF 7/16 x 20	UNC 9/16 x 12	14,22	3634-7/16TWK	271,85	3734-7/16TWK	318,71	5	13.00	M03NC9/16X12	3600-375T
UNF 1/2 x 20	UNC 5/8 x 11	15,75	3634-1/2TWK	301,94	3734-1/2TWK	353,21	5	14.75	M03NC5/8X11	3600-500T

KIT DI INSERTI DI BLOCCIO

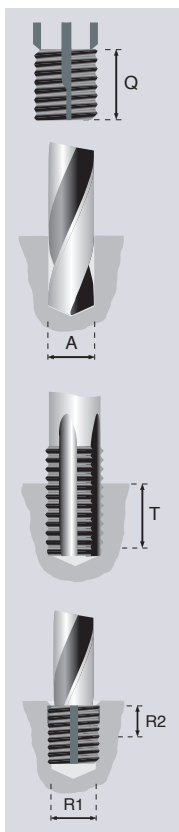


M 5 x 0.80	10.00 x 1.25	10.00	3620-5.00HDK	AC	INOX	5	8.80	M03M10X1,25	3600-190T	
				€	€					
M 6 x 1.00	12.00 x 1.25	12.00	3620-6.00HDK	239,51	3720-6.00HDK	289,17	5	10.80	M03M12X1,25	3600-250T
M 8 x 1.25	14.00 x 1.50	14.00	3620-8.00HDK	301,70	3720-8.00HDK	352,50	5	12.80	M03M14X1,25	3600-312T
M 10 x 1.50	16.00 x 1.50	16.00	3620-10.00HDK	329,94	3720-10.00HDK	375,12	5	14.75	M03M16X1,50	3600-375T
M 12 x 1.75	18.00 x 1.50	18.00	3620-12.00HDK	487,18	3720-12.00HDK	522,74	5	16.75	M03M18X1,50	3600-500T
M 16 x 2.00	22.00 x 1.50	22.00	3620-16.00HDK	654,47	3720-16.00HDK	684,03	5	20.50	M03M22X1,50	3600-625T

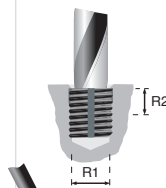
M 8 x 1.00	14.00 x 1.50	14.00	3621-8.00HDK	AC	INOX	5	12.80	M03M14X1,50	3600-312T	
				€	€					
M 10 x 1.25	16.00 x 1.50	16.00	3621-10.00HDK	329,94	3721-10.00HDK	375,12	5	14.75	M03M16X1,50	3600-375T
M 12 x 1.25	18.00 x 1.50	18.00	3621-12.00HDK	487,18	3721-12.00HDK	522,74	5	16.75	M03M18X1,50	3600-500T
M 16 x 1.50	22.00 x 1.50	22.00	3621-16.00HDK	654,47	3721-16.00HDK	684,03	5	20.50	M03M22X1,50	3600-625T

UNC N°10 x 24	UNC 3/8 x 16	7.87	3632-10GHDK	AC	INOX	5	8.40	M03NC3/8X16	3600-190T	
				€	€					
UNC 1/4 x 20	UNC 7/16 x 14	9.40	3632-1/4HDK	236,82	3732-1/4HDK	303,18	5	10.10	M03NC7/16X14	3600-250T
UNC 5/16 x 18	UNC 1/2 x 13	10.92	3632-5/16HDK	212,71	3732-5/16HDK	283,52	5	11.50	M03NC1/2X13	3600-312T
UNC 3/8 x 16	UNC 9/16 x 12	12.70	3632-3/8HDK	275,05	3732-3/8HDK	348,64	5	13.00	M03NC9/16X12	3600-375T
UNC 7/16x14	UNC 5/8 x 11	14.22	3632-7/16HDK	263,42	3732-7/16HDK	283,29	5	14.75	M03NC5/8X11	3600-375T
UNC 1/2x13	UNF 3/4 x 16	15.75	3632-1/2HDK	400,76	3732-1/2HDK	431,01	5	17.75	M03NF3/4X16	3600-500T
UNC 9/16x12	UNF 3/4 x 16	20.57	3632-9/16HDK	400,76	3732-9/16HDK	431,01	5	17.75	M03NF3/4X16	3600-500T
UNC 5/8x11	UNF 7/8 x 14	22.10	3632-5/8HDK	541,96	3732-5/8HDK	601,61	5	21.00	M03NF7/8X14	3600-625T

UNF N°10 x 32	UNC 3/8 x 16	7.87	3634-10GHDK	AC	INOX	5	8.40	M03NC3/8X16	3600-190T	
				€	€					
UNF 1/4 x 28	UNC 7/16 x 14	9.40	3634-1/4HDK	236,82	3734-1/4HDK	303,18	5	10.10	M03NC7/16X14	3600-250T
UNF 5/16 x 24	UNC 1/2 x 13	10.92	3634-5/16HDK	212,71	3734-5/16HDK	283,52	5	11.50	M03NC1/2X13	3600-312T
UNF 3/8 x 24	UNC 9/16 x 12	12.70	3634-3/8HDK	275,05	3734-3/8HDK	348,64	5	13.00	M03NC9/16X12	3600-375T
UNF 7/16 x 20	UNC 5/8 x 11	14.22	3634-7/16HDK	306,84	3734-7/16HDK	374,44	5	14.75	M03NC5/8X11	3600-375T
UNF 1/2 x 20	UNF 3/4 x 16	15.75	3634-1/2HDK	452,51	3734-1/2HDK	514,84	5	17.75	M03NF3/4X16	3600-500T
UNF 9/16 x 18	UNF 3/4 x 16	20.57	3634-9/16HDK	470,90	3734-9/16HDK	529,07	5	17.75	M03NF3/4X16	3600-500T
UNF 5/8 x 18	UNF 7/8 x 14	22.10	3634-5/8HDK	541,96	3734-5/8HDK	601,61	5	21.00	M03NF7/8X14	3600-625T

Loksert
by CELESA

ESTRAZIONE



1

Forare

Forare il materiale tra le linguette e la filettatura interna alla profondità specificata. Vedere le informazioni tecniche specificate. Consultare l'informazione tecnica.

2

Piegare

Piegare le linguette verso l'interno e romperle.

3

Rimuovere

Rimuovere l'inserto utilizzando un estrattore per viti.

4

Installare

Utilizzando la normale procedura, installare un nuovo inserto Loksert



	Filettatura Interna	Filettatura Esterna	Maschio							
	Tol 6H mm	Tol 6G mm	Q mm	Ut. di installazione	A mm	Tol 6H mm	T Min. mm	R1 mm	R2 mm	
PARETE SOTTILE	M 5 X 0.8	M8 X 1.25	8.0	3600-190T	6.9	M8 X 1.25	9.5	5.50	4.00	
	M 6 X 1.0	M10 X 1.25	10.0	3600-250T	8.8	M10 x 1.25	11.5	7.50	4.75	
	M 8 X 1.25	M12 x 1.25	12.0	3600-312T	10.8	M12 x 1.25	13.5	9.50	4.75	
	M 8 X 1.0	M12 x 1.25	12.0	3600-312T	10.8	M12 x 1.25	13.5	9.50	4.75	
	M 10 X 1.5	M14 x 1.5	14.0	3600-375T	12.8	M14 x 1.5	15.5	11.50	4.75	
	M 10 X 1.25	M14 x 1.5	14.0	3600-375T	12.8	M14 x 1.5	15.5	11.50	4.75	
	M 12 X 1.75	M16 x 1.5	16.0	3600-500T	14.75	M16 x 1.5	17.5	13.50	4.75	
M 12 X 1.25	M16 x 1.5	16.0	3600-500T	14.75	M16 x 1.5	17.5	13.50	4.75		
PARETE RINFORZATA	M 4 X 0.7	M8 X 1.25	8.0	3600-4.00HT	6.9	M8 X 1.25	9.5	5.50	4.00	
	M 5 X 0.8	M10 X 1.25	10.0	3600-190T	8.8	M10 x 1.25	12.5	7.50	4.75	
	M 6 X 1.0	M12 x 1.25	12.0	3600-250T	10.8	M12 x 1.25	14.5	9.50	4.75	
	M 8 X 1.25	M14 x 1.5	14.0	3600-312T	12.8	M14 x 1.5	16.5	11.50	4.75	
	M 8 X 1.0	M14 x 1.5	14.0	3600-312T	12.8	M14 x 1.5	16.5	11.50	4.75	
	M 10 X 1.5	M16 x 1.5	16.0	3600-375T	14.75	M16 x 1.5	18.5	13.50	4.75	
	M 10 X 1.25	M16 x 1.5	16.0	3600-375T	14.75	M16 x 1.5	18.5	13.50	4.75	
	M 12 X 1.75	M18 X 1.5	18.0	3600-500T	16.75	M18 X 1.5	20.5	15.50	4.75	
	M 12 X 1.25	M18 X 1.5	18.0	3600-500T	16.75	M18 X 1.5	20.5	15.50	4.75	
	M 14 X 2.0	M20 X 1.5	20.0	3600-14.00HT	18.75	M20 X 1.5	22.5	17.50	4.75	
	M 14 X 1.5	M20 X 1.5	20.0	3600-14.00HT	18.75	M20 X 1.5	22.5	17.50	4.75	
	M 16 X 2.0	M22 X 1.5	22.0	3600-625T	20.5	M22 X 1.5	24.5	17.75	6.35	
	M 16 X 1.5	M22 X 1.5	22.0	3600-625T	20.5	M22 X 1.5	24.5	17.75	6.35	
	M 18 X 1.5	M24 X 1.5	24.0	3600-18.00HT	22.5	M24 X 1.5	26.5	19.75	6.35	
	M 20 X 2.5	M30 X 2.0	30.0	3600-875T	28.0	M30 X 2.0	34.5	25.75	6.35	
	M 20 X 1.5	M30 X 2.0	30.0	3600-875T	28.0	M30 X 2.0	34.5	25.75	6.35	
	M 22 X 1.5	M32 X 2.0	32.0	3600-22.00HT	30.0	M32 X 2.0	36.5	27.75	6.35	
	M 24 X 3.0	M33 X 2.0	33.0	3600-24.00HT	31.0	M33 X 2.0	37.5	28.75	6.35	
	M 24 X 2.0	M33 X 2.0	33.0	3600-24.00HT	31.0	M33 X 2.0	37.5	28.75	6.35	
	PARETE SOTTILE	Tol 6H mm	Tol 6G mm	Q mm	Ut. di installazione	A mm	Tol 2B "	T Min. mm	R1 mm	R2 mm
		N°10 X 24	5/16 X 18	7.87	3600-190T	6.90	UNC 5/16X18	9.40	5.56	3.20
		N°10 X 32	5/16 X 18	7.87	3600-190T	6.90	UNC 5/16X18	9.40	5.56	3.20
		1/4 X 20	3/8 X 16	9.40	3600-250T	8.40	UNC 3/8X16	10.92	7.14	4.75
		1/4 X 28	3/8 X 16	9.40	3600-250T	8.40	UNC 3/8X16	10.92	7.14	4.75
5/16 X 18		7/16 X 14	10.92	3600-312T	10.10	UNC 7/16X14	12.70	8.73	4.75	
5/16 X 24		7/16 X 14	10.92	3600-312T	10.10	UNC 7/16X14	12.70	8.73	4.75	
3/8 X 16		1/2 X 13	12.70	3600-375T	11.50	UNC 1/2X13	14.22	10.32	4.75	
3/8 X 24		1/2 X 13	12.70	3600-375T	11.50	UNC 1/2X13	14.22	10.32	4.75	
7/16 X 14		9/16 X 12	14.22	3600-375T	13.10	UNC 9/16X12	15.75	11.91	4.75	
7/16 X 20		9/16 X 12	14.22	3600-375T	13.10	UNC 9/16X12	15.75	11.91	4.75	
1/2 X 13		5/8 X 11	15.75	3600-500T	14.75	UNC 5/8X11	17.27	13.49	4.75	
1/2 X 20		5/8 X 11	15.75	3600-500T	14.75	UNC 5/8X11	17.27	13.49	4.75	
PARETE RINFORZATA		N°8 X 32	5/16 X 18	7.87	3600-86HT	6.90	UNC 5/16X18	9.40	5.56	3.20
		N°10 X 24	3/8 X 16	7.87	3600-190T	8.40	UNC 3/8X16	9.40	7.14	3.20
		N°10 X 32	3/8 X 16	7.87	3600-190T	8.40	UNC 3/8X16	9.40	7.14	3.20
		1/4 X 20	7/16 X 14	9.40	3600-250T	10.10	UNC 7/16X14	10.92	8.73	4.75
		1/4 X 28	7/16 X 14	9.40	3600-250T	10.10	UNC 7/16X14	10.92	8.73	4.75
		5/16 X 18	1/2 X 13	10.92	3600-312T	11.50	UNC 1/2X13	12.70	10.32	4.75
		5/16 X 24	1/2 X 13	10.92	3600-312T	11.50	UNC 1/2X13	12.70	10.32	4.75
	3/8 X 16	9/16 X 12	12.70	3600-375T	13.10	UNC 9/16X12	14.22	11.91	4.75	
	3/8 X 24	9/16 X 12	12.70	3600-375T	13.10	UNC 9/16X12	14.22	11.91	4.75	
	7/16 X 14	5/8 X 11	15.75	3600-375T	14.75	UNC 5/8X11	17.27	13.49	4.75	
	7/16 X 20	5/8 X 11	15.75	3600-375T	14.75	UNC 5/8X11	17.27	13.49	4.75	
	1/2 X 13	3/4 X 16	15.75	3600-500T	17.50	UNF 3/4X16	17.27	16.67	4.75	
	1/2 X 20	3/4 X 16	15.75	3600-500T	17.50	UNF 3/4X16	17.27	16.67	4.75	
	9/16 X 12	3/4 X 16	20.57	3600-500T	17.50	UNF 3/4X16	23.88	16.67	4.75	
	9/16 X 18	3/4 X 16	20.57	3600-500T	17.50	UNF 3/4X16	23.88	16.67	4.75	
	5/8 X 11	7/8 X 14	22.10	3600-625T	21.00	UNF 7/8X14	25.40	19.84	7.90	
	5/8 X 18	7/8 X 14	22.10	3600-625T	21.00	UNF 7/8X14	25.40	19.84	7.90	
	3/4 X 10	1-1/8 X 12	28.45	3600-875T	27.00	UNF 1-1/8X12	33.27	24.61	7.90	
	3/4 X 16	1-1/8 X 12	28.45	3600-875T	27.00	UNF 1-1/8X12	33.27	24.61	7.90	
	7/8 X 9	1-1/4 X 12	31.75	3600-875T	30.00	UNF 1-1/4X12	36.58	27.75	7.90	
7/8 X 14	1-1/4 X 12	31.75	3600-875T	30.00	UNF 1-1/4X12	36.58	27.75	7.90		
1 X 8	1-3/8 X 12	34.80	3600-100T	33.25	UNF 1-3/8X12	39.62	31	7.90		
1 X 12	1-3/8 X 12	34.80	3600-100T	33.25	UNF 1-3/8X12	39.62	31	7.90		
1 X 14	1-3/8 X 12	34.80	3600-100T	33.25	UNF 1-3/8X12	39.62	31	7.90		
1-1/8 X 7	1-1/2 X 12	41.15	3600-1.1/8HT	36.50	UNF 1-1/2X12	46.74	34	7.90		
1-1/8 X 12	1-1/2 X 12	41.15	3600-1.1/8HT	36.50	UNF 1-1/2X12	46.74	34	7.90		
1-1/4 X 7	1-5/8 X 12	45.97	3600-1.1/4HT	39.75	UNF 1-5/8X12	52.32	37.25	7.90		
1-1/4 X 12	1-5/8 X 12	45.97	3600-1.1/4HT	39.75	UNF 1-5/8X12	52.32	37.25	7.90		
1-1/2 X 6	1-7/8 X 12	50.80	3600-1.1/2HT	46.00	UNF 1-7/8X12	57.91	43.50	7.90		
1-1/2 X 12	1-7/8 X 12	50.80	3600-1.1/2HT	46.00	UNF 1-7/8X12	57.91	43.50	7.90		

PARETE SOTTILE E PARETE RINFORZATA

Materiale dell'inserto Acciaio al carbonio - C1215. Acciaio inox - AISI 303

Linguette AISI 302

Tolleranze Acciaio al carbonio - Zincato fosfato; Acciaio inox - Passivato

N° Linguette

4 linguette su inserti con filettatura interna M7 o superiore
2 linguette su inserti con filettatura interna inferiore a M7

Tolleranza del pre-foro

6.90 - 10.80 = +0.100 / -0.025

+12.80 = +0.130 / -0.025



tapsert[®]
by celesa



INSERTI AUTOFILETTANTI

Gli inserti TAPSERT sono inserti autofilettanti con filettatura interna ed esterna. Devono essere installati in un foro precedentemente praticato su misura indicata a catalogo. La parte frontale dell'inserto TAPSERT consiste in un cono di attacco che fa di maschio e filetta il pre-foro. La fessura dell'inserto permette di alloggiare i trucioli generati nell'operazione. Gli inserti TAPSERT sono perfetti per generare filettature molto forti in materiali a bassa resistenza dove le filettature si danneggiano facilmente.

Caratteristiche e Vantaggi

- Facile da installare su pre-fori realizzati con punte di dimensioni standard. Come incastonatore, viene utilizzata una vite della stessa dimensione della filettatura interna.
- Non è necessario utilizzare i maschi nell'installazione. L'inserto stesso fa la filettatura.
- L'inserto supporta carichi di compressione e trazione molto elevati.
- Consente il serraggio di coppie estremamente elevate su materiali morbidi come plastica, alluminio, legno, ecc ...
- La tolleranza della filettatura viene preservata nonostante i molteplici utilizzi dalla stessa. Bassa usura.



Filettare il Tapsert nella vite con le fessure sul fondo.
Regolare il dado in base alla lunghezza dell'inserto finché la vite è a filo con l'inserto.

INSERTI AUTOFILETTANTI CON FESSURA

M
MF

M/MF

AC

AC

INOX



AC 302



INOX 302



Diagramma	Diagramma	mm	Ø	L	AC	€			INOX	€		
						100-499	500-1999	2000-...		AISI 303	25-499	500-1999
M 2.50 x 0.45	M 4.50 x 0.50	6.00	4.30	8.00	3920-2.5X6	0,48	0,44	0,40	3920-2.5X6SS	0,83	0,79	0,70
M 3 x 0.50	M 5 x 0.50	6.00	4.80	8.00	3920-3X6	0,49	0,45	0,42	3920-3X6SS	0,84	0,80	0,71
M 4 x 0.70	M 6.50 x 0.75	8.00	6.20	10.00	3920-4X8	0,51	0,49	0,46	3920-4X8SS	1,12	1,07	0,96
M 5 x 0.80	M 8 x 1.00	10.00	7.60	13.00	3920-5X10	0,64	0,61	0,57	3920-5X10SS	1,46	1,39	1,25
M 6 x 1.00	M 10 x 1.50	14.00	9.40	17.00	3920-6X14	0,82	0,78	0,70	3920-6X14SS	1,81	1,71	1,54
M 8 x 1.25	M 12 x 1.50	15.00	11.40	18.00	3920-8X15	1,00	0,95	0,86	3920-8X15SS	2,28	2,14	1,94
M 10 x 1.50	M 14 x 1.50	18.00	13.50	22.00	3920-10X18	1,45	1,38	1,25	3920-10X18SS	3,33	3,14	2,84
						25-499	500-1999	2000-...		1-499	500-1999	2000-...
M 12 x 1.75	M 16 x 1.50	22.00	15.50	26.00	3920-12X22	2,28	2,14	1,96	3920-12X22SS	4,49	4,22	3,81
M 14 x 2.00	M 18 x 1.50	24.00	17.50	28.00	3920-14X24	3,10	2,92	2,67	3920-14X24SS	5,90	5,55	5,00
M 16 x 2.00	M 20 x 1.50	22.00	19.50	26.00	3920-16X22	4,16	3,79	3,44	3920-16X22SS	7,23	6,59	5,94
						5-499	500-1999	2000-...		1-499	500-1999	2000-...
M 18 x 2.50	M 22 x 1.50	24.00	21.50	29.00	3920-18X24	6,25	5,68	5,19	3920-18X24SS	7,93	7,22	6,51
M 20 x 2.50	M 26 x 1.50	27.00	25.50	32.00	3920-20X26	7,02	6,41	5,83	3920-20X26SS	9,15	8,34	7,51
M 22 x 2.50	M 26 x 1.50	30.00	25.50	36.00	3920-22X30	8,37	7,61	6,93	3920-22X30SS	10,16	9,26	8,34
M 24 x 3.00	M 30 x 1.50	30.00	29.50	36.00	3920-24X30	10,34	9,44	8,59	3920-24X30SS	11,62	10,58	9,53



3920-6X14P

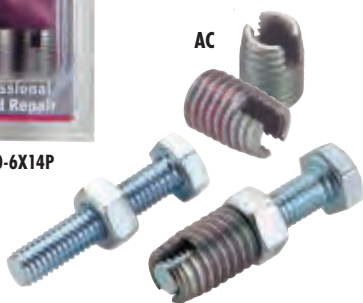
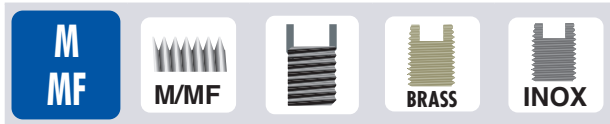


Diagramma	Diagramma	mm	Ø	L	AC	€	AC
M 2.50 x 0.45	M 4.50 x 0.50	6.00	4.30*	8.00	3920-2.5X6P	11,72	2
M 3 x 0.50	M 5 x 0.50	6.00	4.80*	8.00	3920-3X6P	11,72	2
M 4 x 0.70	M 6.50 x 0.75	8.00	6.20*	10.00	3920-4X8P	10,65	2
M 5 x 0.80	M 8 x 1.00	10.00	7.60*	13.00	3920-5X10P	10,65	2
M 6 x 1.00	M 10 x 1.50	14.00	9.40*	17.00	3920-6X14P	10,65	2
M 8 x 1.25	M 12 x 1.50	15.00	11.40*	18.00	3920-8X15P	11,72	2
M 10 x 1.50	M 14 x 1.50	18.00	13.50*	22.00	3920-10X18P	12,78	2
M 12 x 1.75	M 16 x 1.50	22.00	15.50*	26.00	3920-12X22P	14,90	2
M 14 x 2.00	M 18 x 1.50	24.00	17.50*	28.00	3920-14X24P	15,58	2
M 16 x 2.00	M 20 x 1.50	22.00	19.50*	26.00	3920-16X22P	22,35	2

* Punta per preforatura non inclusa.

INSERTI AUTOFILETTANTI CON FESSURA



BRASS 302



INOX AISI 316L



Diagram	Diagram	mm	Ø	L	BRASS	€			INOX AISI 316L	€		
						100-499	500-1999	2000-...		25-499	500-1999	2000-...
M 3 x 0.50	M 5 x 0.50	6.00	4.80	8.00	3920-3X6LAT	0,48	0,46	0,42	-	-	-	-
M 4 x 0.70	M 6.5 x 0.75	8.00	6.20	10.00	3920-4X8LAT	0,55	0,51	0,48	3920-4X8DY	1,46	1,39	1,25
M 5 x 0.80	M 8 x 1.00	10.00	7.60	13.00	3920-5X10LAT	0,68	0,64	0,59	3920-5X10DY	1,90	1,79	1,62
M 6 x 1.00	M 10 x 1.50	14.00	9.40	17.00	3920-6X14LAT	0,86	0,82	0,76	3920-6X14DY	2,35	2,22	2,00
M 8 x 1.25	M 12 x 1.50	15.00	11.40	18.00	3920-8X15LAT	1,17	1,09	1,00	3920-8X15DY	3,23	3,05	2,75
M 10 x 1.50	M 14 x 1.50	18.00	13.50	22.00	3920-10X18LAT	2,06	1,94	1,77	-	-	-	-
						25-499	500-1999	2000-...		1-499	500-1999	2000-...
M 12 x 1.75	M 16 x 1.50	22.00	15.50	26.00	3920-12X22LAT	2,64	2,49	2,27				

APPLICAZIONI:

- Legni duri
- Materiali morbidi
- Termoplastiche morbide
- Materiale agglomerati



BRASS 309

Diagram	Diagram	mm	SOFT		L	BRASS	€		
			Ø	Ø			100-499	500-1999	2000-...
M 3 x 0.50	M 5.5 x 1.60	6.00	4.10	4.20-4.30	9.00	3925-3X6	0,88	0,83	0,79
M 4 x 0.70	M 7 x 2.50	10.00	5.10	5.20-5.30	13.00	3925-4X10	1,19	1,13	1,07
M 5 x 0.80	M 9 x 3.00	12.00	6.60	6.70-6.90	15.00	3925-5X12	1,37	1,30	1,24
M 6 x 1.00	M 10 x 4.00	14.00	7.60	7.70-7.90	17.00	3925-6X14	1,52	1,45	1,38
M 8 x 1.25	M 13 x 4.00	20.00	9.90	10.10-10.30	23.00	3925-8X20	2,08	1,97	1,88
M 10 x 1.50	M 16 x 5.00	23.00	12.40	12.60-12.80	26.00	3925-10X23	3,11	2,95	2,80
							25-499	500-1999	2000-...
M 12 x 1.75	M 19 x 5.00	26.00	15.40	15.60-15.80	30.00	3925-12X26	5,20	4,94	4,68

Materiali Duri



Materiali Morbidi



INSERTI AUTOFILETTANTI CON FESSURA

UNC



UNC



AC



INOX



AC 302



INOX 302



UNC		M		mm	Ø	L	AC	€	INOX AISI 303	€
UNC N°4 x 40	M 5 x 0.50	6.00	4.80	8.00	3932-4GX6	1,34	3932-4GX6SS	2,47		
UNC N°6 x 32	M 6 x 0.75	8.00	5.70	10.00	3932-6GX8	1,72	3932-6GX8SS	3,22		
UNC N°8 x 32	M 6.50 x 0.75	8.00	6.20	10.00	3932-8GX8	2,32	3932-8GX8SS	4,19		
UNC N°10 x 24	M 8 x 1.00	10.00	7.60	13.00	3932-10GX10	2,63	3932-10GX10SS	4,87		
UNC 1/4 x 20	M 10 x 1.50	14.00	9.40	17.00	3932-1/4X14	3,22	3932-1/4X14SS	6,22		
UNC 5/16 x 18	M 12 x 1.50	15.00	11.40	18.00	3932-5/16X15	4,19	3932-5/16X15SS	8,24		
UNC 3/8 x 16	M 14 x 1.50	18.00	13.50	22.00	3932-3/8X18	5,92	3932-3/8X18SS	11,76		
UNC 7/16 x 14	M 16 x 1.50	22.00	15.50	26.00	3932-7/16X22	8,68	3932-7/16X22SS	17,16		
UNC 1/2 x 13	M 18 x 1.50	22.00	17.50	26.00	3932-1/2X22	10,93	3932-1/2X22SS	22,85		
UNC 5/8 x 11	M 20 x 1.50	22.00	19.50	26.00	3932-5/8X22	12,51	3932-5/8X22SS	22,85		

UNF



UNF



AC



INOX



AC 302

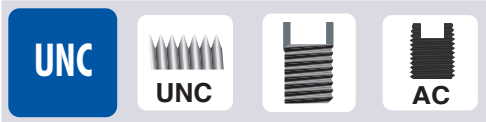


INOX 302



UNF		M		mm	Ø	L	AC	€	INOX AISI 303	€
UNF N°10 x 32	M 8 x 1.00	10.00	7.60	13.00	3934-10GX10	2,63	3934-10GX10SS	4,87		
UNF 1/4 x 28	M 10 x 1.50	14.00	9.40	17.00	3934-1/4X14	3,22	3934-1/4X14SS	6,22		
UNF 5/16 x 24	M 12 x 1.50	15.00	11.40	18.00	3934-5/16X15	4,19	3934-5/16X15SS	8,24		
UNF 3/8 x 24	M 14 x 1.50	18.00	13.50	22.00	3934-3/8X18	5,92	3934-3/8X18SS	11,76		
UNF 7/16 x 20	M 16 x 1.50	22.00	15.50	26.00	3934-7/16X22	8,68	3934-7/16X22SS	17,16		
UNF 1/2 x 20	M 18 x 1.50	22.00	17.50	26.00	3934-1/2X22	10,93	3934-1/2X22SS	22,85		
UNF 5/8 x 18	M 20 x 1.50	22.00	19.50	26.00	3934-5/8X22	12,51	3934-5/8X22SS	22,85		

INSERTI AUTOFILETTANTI CON FESSURA



						€	
UNC N°4 x 40	M 5 x 0.50	6.00	4.80*	8.00	3932-4GX6P	22,85	2
UNC N°6 x 32	M 6 x 0.75	8.00	5.70*	10.00	3932-6GX8P	22,85	2
UNC N°8 x 32	M 6.50 x 0.75	8.00	6.20*	10.00	3932-8GX8P	22,85	2
UNC N°10 x 24	M 8 x 1.00	10.00	7.60*	13.00	3932-10GX10P	22,85	2
UNC 1/4 x 20	M 10 x 1.50	14.00	9.40*	17.00	3932-1/4X14P	25,85	2
UNC 5/16 x 18	M 12 x 1.50	15.00	11.40*	18.00	3932-5/16X15P	28,42	2
UNC 3/8 x 16	M 14 x 1.50	18.00	13.50*	22.00	3932-3/8X18P	31,00	2
UNC 7/16 x 14	M 16 x 1.50	22.00	15.50*	26.00	3932-7/16X22P	33,57	2
UNC 1/2 x 13	M 18 x 1.50	24.00	17.50*	26.00	3932-1/2X22P	36,14	2
UNC 5/8 x 11	M 20 x 1.50	22.00	19.50*	26.00	3932-5/8X22P	40,30	2

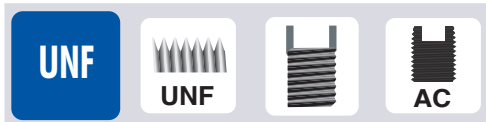


3932-4GX6P



tapsert
by *celesa*

Rosa



						€	
UNF N°10 x 32	M 8 x 1.00	10.00	7.60*	13.00	3934-10GX10P	22,85	2
UNF 1/4 x 28	M 10 x 1.50	14.00	9.40*	17.00	3934-1/4X14P	25,85	2
UNF 5/16 x 24	M 12 x 1.50	15.00	11.40*	18.00	3934-5/16X15P	28,42	2
UNF 3/8 x 24	M 14 x 1.50	18.00	13.50*	22.00	3934-3/8X18P	31,00	2
UNF 7/16 x 20	M 16 x 1.50	22.00	15.50*	26.00	3934-7/16X22P	33,57	2
UNF 1/2 x 20	M 18 x 1.50	22.00	17.50*	26.00	3934-1/2X22P	36,14	2
UNF 5/8 x 18	M 20 x 1.50	22.00	19.50*	26.00	3934-5/8X22P	40,30	2



3934-1/4X14P

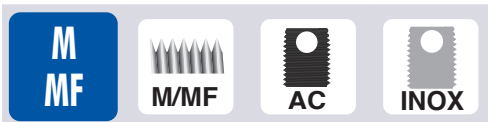


* .Punta per preforatura non inclusa.

ESTRAZIONE



INSERTI AUTOFILETTANTI A 3 FORI

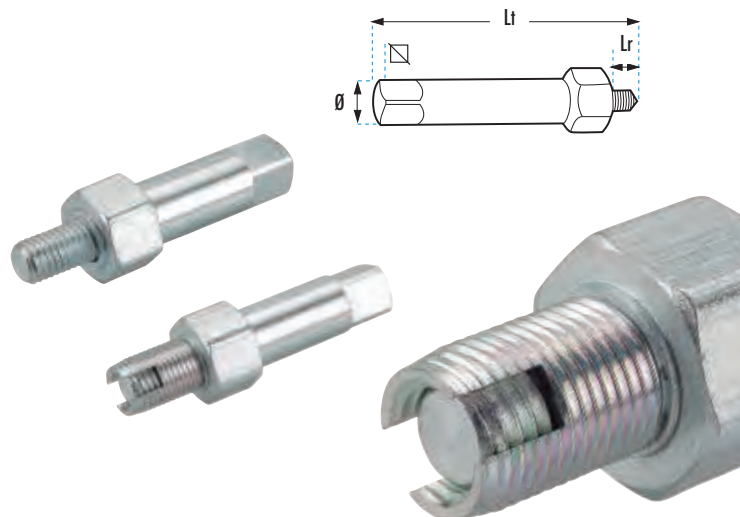


Ø	L	Lr	Ø	L	AC	€			INOX AISI 303	€		
						100-499	500-1999	2000-...		25-499	500-1999	2000-...
M 4 x 0.70	M 6.50 x 0.80	6.00	6.00-6.10	8.00	3333-M4X6	0,76	0,72	0,66	3333-M4X6SS	1,26	1,19	1,09
M 5 x 0.80	M 8 x 1.00	7.00	7.40-7.50	9.00	3333-M5X7	0,89	0,85	0,78	3333-M5X7SS	1,55	1,47	1,34
M 6 x 1.00	M 10 x 1.25	8.00	9.30-9.40	10.00	3333-M6X8	1,03	0,97	0,89	3333-M6X8SS	1,94	1,83	1,67
M 8 x 1.25	M 12 x 1.50	9.00	11.10-11.20	11.00	3333-M8X9	1,23	1,16	1,07	3333-M8X9SS	2,47	2,34	2,12
M 10 x 1.50	M 14 x 1.50	10.00	13.10-13.20	13.00	3333-M10X10	1,82	1,72	1,56	3333-M10X10SS	3,72	3,50	3,19
M 12 x 1.75	M 16 x 1.75	12.00	15.00-15.10	15.00	3333-M12X12	2,87	2,70	2,46	3333-M12X12SS	5,95	5,61	5,10
M 14 x 2.00	M 18 x 2.00	14.00	17.00-17.10	17.00	3333-M14X14	3,74	3,52	3,20	3333-M14X14SS	6,84	6,43	5,85
M 16 x 2.00	M 20 x 2.00	14.00	19.00-19.10	17.00	3333-M16X14	5,08	4,78	4,36	3333-M16X14SS	9,22	8,67	7,90

Ø	L	Lr	Ø	L	AC	€			INOX AISI 303	€		
						100-499	500-1999	2000-...		25-499	500-1999	2000-...
M 4 x 0.70	M 6.50 x 0.80	8.00	6.10-6.20	10.00	3333-M4X8	0,84	0,79	0,72	3333-M4X8SS	1,42	1,33	1,22
M 5 x 0.80	M 8 x 1.00	10.00	7.60-7.70	13.00	3333-M5X10	1,06	1,01	0,92	3333-M5X10SS	1,79	1,69	1,54
M 6 x 1.00	M 10 x 1.25	12.00	9.50-9.60	15.00	3333-M6X12	1,34	1,27	1,17	3333-M6X12SS	2,13	2,03	1,84
M 8 x 1.25	M 12 x 1.50	14.00	11.30-11.15	17.00	3333-M8X14	1,73	1,64	1,50	3333-M8X14SS	2,79	2,63	2,39
M 10 x 1.50	M 14 x 1.50	18.00	13.30-13.50	22.00	3333-M10X18	2,50	2,34	2,15	3333-M10X18SS	4,24	4,00	3,64
M 12 x 1.75	M 16 x 1.75	22.00	15.20-15.40	26.00	3333-M12X22	3,78	3,56	3,24	3333-M12X22SS	9,12	8,58	7,82
M 14 x 2.00	M 18 x 2.00	24.00	17.20-17.40	28.00	3333-M14X24	5,43	5,11	4,65	3333-M14X24SS	10,80	10,16	9,26
M 16 x 2.00	M 20 x 2.00	24.00	19.20-19.10	28.00	3333-M16X24	6,33	5,95	5,43	3333-M16X24SS	12,80	12,03	10,96

UTENSILE DI INSTALLAZIONE PER INSERTI AUTOFILETTANTI

Ø	L mm	Lr mm	Ø mm	∇ mm		€
M 3 x 0.50	73.00	6.00	12.00	12.00	3920-M3	60,86
M 4 x 0.70	75.00	7.00	12.00	12.00	3920-M4	60,86
M 5 x 0.80	77.00	9.00	12.00	12.00	3920-M5	60,86
M 6 x 1.00	78.00	11.00	12.00	12.00	3920-M6	60,86
M 8 x 1.25	80.00	12.00	12.00	12.00	3920-M8	60,86
M 10 x 1.50	80.00	16.00	18.00	14.00	3920-M10	60,86
M 12 x 1.75	83.50	20.00	18.00	14.00	3920-M12	68,80
M 14 x 2.00	83.50	20.00	22.00	22.00	3920-M14	76,07
M 16 x 2.00	83.50	20.00	22.00	22.00	3920-M16	91,29
M 18 x 2.50	85.50	21.50	26.00	26.00	3920-M18	114,44
M 20 x 2.50	85.50	21.50	26.00	26.00	3920-M20	114,44
M 22 x 2.50	85.50	21.50	30.00	30.00	3920-M22	121,72
M 24 x 3.00	87.50	23.50	30.00	30.00	3920-M24	136,93

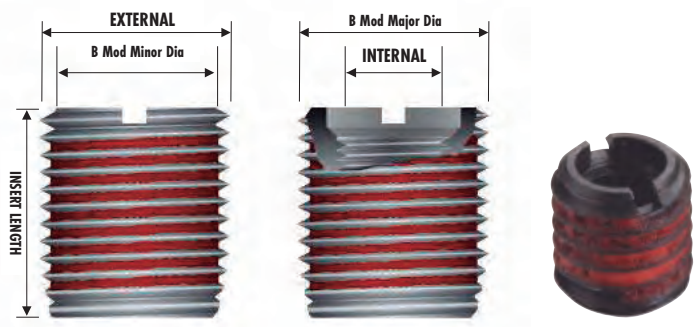




INSERTI PIENI CON SIGILLANTE ANAEROBICO

Caratteristiche e Vantaggi

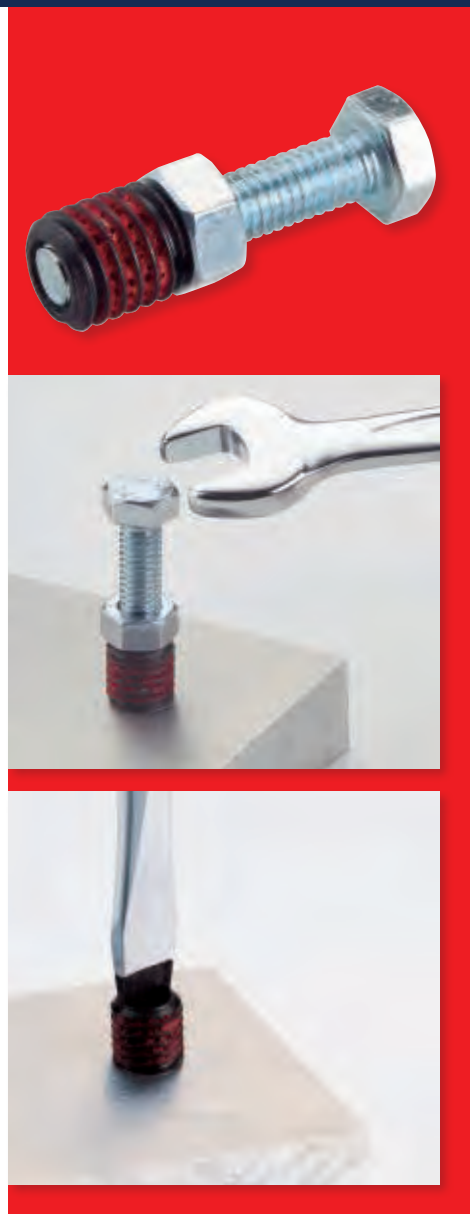
- Facile installazione dell'inserto EZ Sert per mezzo di una vite di filettatura uguale alla interna oppure, anche mediante un cacciavite o elettroutensile.
- Si installano utilizzando maschi e punte standard.
- L'adesivo microincapsulato reagisce in 3-5 minuti e impedisce all'inserto di scivolare fuori dal suo alloggiamento a causa delle vibrazioni esterne. L'inserto rimane aderito generando una filettatura a tenuta stagna fronte liquidi e gas con resistenza fino a 400 bar di pressione quando la reazione si stabilizza (72 ore).



ESTRAZIONE



- **NOTA:** l'inserto EZ SERT richiede una filettatura esterna leggermente diversa da quella contrassegnata da DIN 13. Il diametro esterno è standard ma il diametro interno è leggermente superiore al normale, quindi è necessario aggiungere un decimo alla solita dimensione della punta. Esempio: inserto di filettatura Esterna M6X1, verrà utilizzata una punta da 5,1 mm invece di 5 mm, che sarebbe il più abituale.







INSERTI PIENI CON SIGILLANTE ANAEROBICO

M
MF

PD

PARETE SOTTILE

		L mm				€
M 4 x 0.70	UNC 5/16 x 18h	7.92	6,90	9.52	3320-4.00TWF	5,11
M 5 x 0.80	UNC 5/16 x 18h	7.92	6,90	9.52	3320-5.00TWF	5,11
M 6 x 1.00	UNC 3/8 x 16h	9.52	8,40	11.10	3320-6.00TWF	6,44
M 8 x 1.25	UNC 7/16 x 14h	11.10	10,10	12.70	3320-8.00TWF	7,32
M 10 x 1.50	UNC 1/2 x 13h	12.70	11,50	14.22	3320-10.00TWF	10,34
M 12 x 1.75	UNC 5/8 x 11h	15.75	14,50	17.27	3320-12.00TWF	11,61







AISI 303

AC

PR



PARETE RINFORZATA

		L mm			AC	€	AISI 303	€
M 3 x 0.50	M6 x 1.00	6.50	5.10	7.80	3320-3.00HWM	3,15	3320-3.00HWSS	6,93
M 4 x 0.70	M8 x 1.25	7.50	6.90	9.00	3320-4.00HWM	3,36	3320-4.00HWSS	8,42
M 5 x 0.80	M8 x 1.25	7.50	6.90	9.00	3320-5.00HWM	3,79	3320-5.00HWSS	9,19
M 6 x 1.00	M10 x 1.50	10.50	8.60	12.00	3320-6.00HWM	4,26	3320-6.00HWSS	7,17
M 8 x 1.25	M12 x 1.75	12.50	10.40	14.50	3320-8.00HWM	4,81	3320-8.00HWSS	11,39
M 10 x 1.50	M16 x 2.00	17.00	14.00	19.00	3320-10.00HWM	7,41	3320-10.00HWSS	11,36
M 12 x 1.75	M16 x 2.00	17.00	14.00	19.00	3320-12.00HWM	8,33	3320-12.00HWSS	12,96
M 16 x 2.00	M24 x 3.00	20.00	21.00	24.00	3320-16.00HWM	10,04	3320-16.00HWSS	21,67
M 20 x 2.50	M36 x 4.00	30.00	33.00	35.00	3320-20.00HWM	29,59		

PARETE RINFORZATA

M 6 x 1.00	UNC 3/8 x 16h	10.31	8.00	11.90	3320-6.00HWF	2,40	3320-6.00HWSSF	9,95
M 8 x 1.25	UNC 1/2 x 13h	12.29	10.70	14.29	3320-8.00HWF	2,94	3320-8.00HWSSF	11,45
M 10 x 1.50	UNC 9/16 x 12h	13.08	12.30	15.08	3320-10.00HWF	3,36	3320-10.00HWSSF	13,08
M 10 x 1.25	UNC 9/16 x 12h	13.08	12.30	15.08	3321-10.00HWF	4,95	3321-10.00HWSSF	-
M 12 x 1.75	UNC 3/4 x 10h	16.66	16.60	19.05	3320-12.00HWF	4,33	3320-12.00HWSSF	18,65
M 14 x 2.00	UNC 7/8 x 9h	17.45	19.50	20.64	3320-14.00HWF	8,69	3320-14.00HWSSF	22,98
M 16 x 2.00	UNC 1 x 8h	19.84	22.00	22.25	3320-16.00HWF	8,66	3320-16.00HWSSF	-

* Scheda di dati di sicurezza disponibile.

	
M3 x 0.50	M6 x 1.00
M4 x 0.70	M8 x 1.25
M5 x 0.80	M8 x 1.25
M6 x 1.00	M10 x 1.50
M8 x 1.25	M12 x 1.75

SET 50 Unit M3-M8	AC
10 3320-3.00HW	3320-WK0
10 3320-4.00HW	
10 3320-5.00HW	
10 3320-6.00HW	
10 3320-8.00HW	
	304,41 €

SET 50 Unit M3-M8	AISI 303
10 3320-3.00HWSS	3320-SSWK0
10 3320-4.00HWSS	
10 3320-5.00HWSS	
10 3320-6.00HWSS	
10 3320-8.00HWSS	
	569,54 €

M8 x 1.25	M12 x 1.75
M10 x 1.50	M16 x 2.00
M12 x 1.75	M16 x 2.00
M16 x 2.00	M 24 x 3.00

SET 33 Unit M8-M16	AC
10 3320-8.00HW	3320-WK1
10 3320-10.00HW	
8 3320-12.00HW	
5 3320-16.00HW	
	348,61 €

SET 33 Unit M8-M16	AISI 303
10 3320-8.00HWSS	3320-SSWK1
10 3320-10.00HWSS	
8 3320-12.00HWSS	
5 3320-16.00HWSS	
	602,08 €

M5 x 0.80	M8 x 1.25
M6 x 1.00	M10 x 1.50
M8 x 1.25	M12 x 1.75
M10 x 1.50	M16 x 2.00
M12 x 1.75	M16 x 2.00

SET 46 Unit M5-M12	AISI 303
10 3320-5.00HWSS	3320-SSWK2
10 3320-6.00HWSS	
10 3320-8.00HWSS	
10 3320-10.00HWSS	
6 3320-12.00HWSS	
	585,82 €



ESTRAZIONE





t-sert
by CELESA



INSERTI T-SERT CON TESTA SVASATA

Caratteristiche e Vantaggi

- T-SERT è un inserto solido per l'applicazione universale in tutti i tipi di materiali. Installazione facile.
- T-SERT ha una parete molto sottile grazie al sincronismo tra filettature esterne ed interne. Consente l'installazione dell'inserto in spazi ristretti.
- Genera tenuta nella filettatura: acqua, olio, ...
- T-SERT è un Inserto AUTOBLOCCANTE, si installa automaticamente al passare dell'utensile installatore che, per laminazione, deforma alcune filetti interne verso l'esterno, bloccando l'inserto nel suo foro.
- La zona svasata garantisce un posizionamento preciso sul pezzo, quindi non è necessario alcun sigillante aggiuntivo. Non si svita, nemmeno in ambienti con vibrazioni estreme.
- Adatto per processi che devono sopportare carichi estremi, senza svitarsi.
- Il maschio, il svasatore e l'installatore sono esclusivi per gli inserti T-SERT.



INSERTI T-SERT CON TESTA SVASATA E ACCESSORI

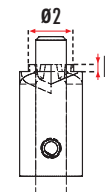
t-sert
by CELESA

INSERTI

Diagrammi		L		h	Ø	L	Articolo	€	Q.tà
M 3 x 0.50	M5 x 0.50	4.30	6.00	0.50	4.50	3.80	3910-3.00x4.3	4,04	5
M 4 x 0.70	M6 x 0.70	6.00	7.00	0.50	5.30	5.50	3910-4.00x6.0	4,04	5
M 5 x 0.80	M7 x 0.80	7.60	8.00	0.50	6.20	7.20	3910-5.00x7.6	4,04	5
M 6 x 1.00	M8 x 1.00	9.40	9.00	0.70	7.00	8.90	3910-6.00x9.4	4,36	5
M 8 x 1.25	M10 x 1.25	11.70	12.00	0.80	8.70	11.20	3910-8.00x11.7	4,50	5
M 10 x 1.50	M12 x 1.50	14.00	14.00	1.00	10.50	13.50	3910-10.00x14.0	5,51	5
M 12 x 1.75	M14 x 1.75	16.00	16.00	1.00	12.70	15.50	3910-12.00x16.2	6,08	5

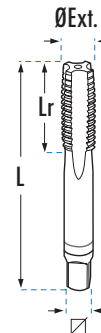
SVASATORE

	Ø mm	L mm	Ø mm	Ø2 mm	h mm	Articolo	€
M 3 x 0.50	6.50	60.00	3.50	6.50	1.00	3910-3.00AVELL	72,83
M 4 x 0.70	7.50	65.00	3.80	7.50	1.00	3910-4.00AVELL	73,76
M 5 x 0.80	8.50	70.00	5.00	8.50	1.00	3910-5.00AVELL	77,96
M 6 x 1.00	9.50	70.00	5.00	9.50	1.20	3910-6.00AVELL	80,06
M 8 x 1.25	12.50	79.00	7.00	12.50	1.30	3910-8.00AVELL	81,82
M 10 x 1.50	14.50	89.00	8.00	14.50	1.50	3910-10.00AVELL	87,50
M 12 x 1.75	16.50	80.00	9.00	16.50	1.50	3910-12.00AVELL	92,66



MASCHIO

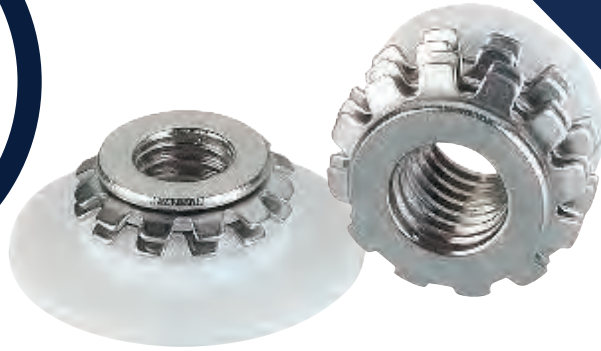
	Ø Ext.	L mm	Lr mm	Ø mm	Ø mm	Articolo	€
M 3 x 0.50	M5 x 0.50	60.00	20.00	5.08	4.00	3910-3.00I	68,13
M 4 x 0.70	M6 x 0.70	70.00	22.00	6.09	4.90	3910-4.00I	68,13
M 5 x 0.80	M7 x 0.80	68.00	22.00	7.10	4.50	3910-5.00I	72,80
M 6 x 1.00	M8 x 1.00	72.00	22.00	8.12	4.90	3910-6.00I	76,06
M 8 x 1.25	M10 x 1.25	80.00	24.00	10,12	6.00	3910-8.00I	82,60
M 10 x 1.50	M12 x 1.50	88.00	29.00	12,14	7.10	3910-10.00I	102,67
M 12 x 1.75	M14 x 1.75	90.00	30.00	14,15	8.70	3910-12.00I	113,86



UTENSILE DI INSTALLAZIONE

	L mm	Lr mm	Ø mm	Ø mm	Articolo	€
M 3 x 0.50	54.00	15.00	3.50	3.80	3910-3.00HIP	61,16
M 4 x 0.70	62.00	18.00	5.00	3.80	3910-4.00HIP	62,67
M 5 x 0.80	71.00	30.00	5.80	5.00	3910-5.00HIP	63,00
M 6 x 1.00	72.00	22.00	7.60	5.00	3910-6.00HIP	68,51
M 8 x 1.25	79.00	25.00	10.00	6.00	3910-8.00HIP	71,40
M 10 x 1.50	90.00	30.00	12.00	7.00	3910-10.00HIP	75,60
M 12 x 1.75	95.00	30.00	15.00	9.00	3910-12.00HIP	88,20





INSERTI FILETTATI PER ANCORAGGI SU SUPERFICI SOLIDE

Caratteristiche e Vantaggi

- L'inserto **WALLSERT** permette l'ancoraggio di boccole filettate in materiali come marmo, granito, pietra naturale, porcellana, pietra sinterizzata, materiali compositi come Corian, pannello compatto fenolico, solid surface in genere ed un'ampia gamma legata al design sia in outdoor che in al chiuso.
- È un'OTTIMA SOLUZIONE per introdurre facilmente ancoraggi filettati nei pannelli di facciate ventilate, rivestimenti esterni, progetti di interni come cucine, bagni, mobili... Offre una vasta gamma di soluzioni.
- Il NUOVO design **WALLSERT** consente il semplice ancoraggio di elementi filettati, sopportando grandi forze. La sua **INSTALLAZIONE** È molto semplice, è sufficiente praticare il foro consigliato nel materiale alla profondità consigliata, ed inserirlo esercitando una piccola pressione sull'ancoraggio, oppure un leggero colpo con un martello in Nylon. **SEMPRE** in materiali solidi o ad alta densità..



- 2 modelli **WALLSERT** disponibili, testa dritta e testa piatta.

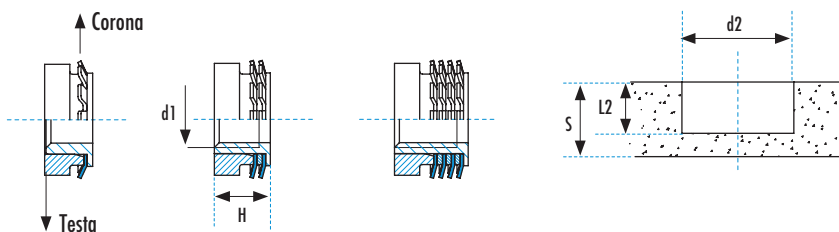
L'inserto **WALLSERT** è composto da 3 parti,
Boccola filettata, Acciaio INOX AISI 303
Corone, Acciaio Inossidabile AISI 303
Testa, nylon PA6




M

INOX
AISI303wallsert
by CELESA

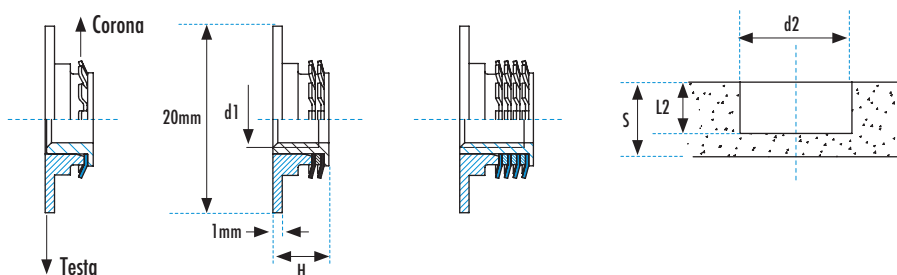
INSERTI WALLSERT TESTA DRITTA




d1	H mm	d2 mm	L2 mm	S mm	N° Coronas	kN x wallsert		€	
M 4 x 0.70	5.00	12.00	5.50	8.00	1	1.1	3820-M4X5SS	2,44	50
M 5 x 0.80							3820-M5X5SS	2,44	50
M 6 x 1.00							3820-M6X5SS	2,44	50
M 4 x 0.70	6.00	12.00	6.50	8.50	2	2.1	3820-M4X6SS	2,67	50
M 5 x 0.80							3820-M5X6SS	2,67	50
M 6 x 1.00							3820-M6X6SS	2,67	50
M 4 x 0.70	8.50	12.00	9.00	11.00	4	3.4	3820-M4X8,5SS	2,89	50
M 5 x 0.80							3820-M5X8,5SS	2,89	50
M 6 x 1.00							3820-M6X8,5SS	2,89	50



INSERTI WALLSERT TESTA PIATTA



d1	H mm	d2 mm	L2 mm	S mm	N° Coronas	kN x wallsert		€	
M 4 x 0.70	5.00	12.00	4.50	7.00	1	0.7	3825-M4X5SS	2,67	50
M 5 x 0.80							3825-M5X5SS	2,67	50
M 6 x 1.00							3825-M6X5SS	2,67	50
M 4 x 0.70	6.00	12.00	5.50	7.50	2	1.9	3825-M4X6SS	2,89	50
M 5 x 0.80							3825-M5X6SS	2,89	50
M 6 x 1.00							3825-M6X6SS	2,89	50
M 4 x 0.70	8.00	12.00	8.05	10.00	4	3.0	3825-M4X8SS	3,11	50
M 5 x 0.80							3825-M5X8SS	3,11	50
M 6 x 1.00							3825-M6X8SS	3,11	50





rivetsert
by *celesa*



DADI PER RIVETTI

Caratteristiche e Vantaggi

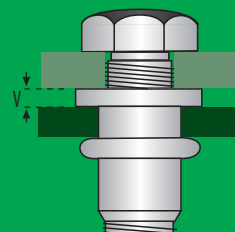
Il dado per rivetti RIVETSERT è un elemento di fissaggio meccanico che garantisce una filettatura forte, resistente e affidabile che può essere utilizzata in innumerevoli materiali come Metallo, Plastica, Fibra di vetro e Fibra di Carbonio. È particolarmente utile nell'industria automobilistica, così come nell'industria pesante che tende ad alleggerire tutti i suoi componenti, facilitando i processi produttivi, ma garantendo filettature robuste.

Essendo la Testa Piatta la più universale, i dadi per rivetti RIVETSERT sono stati appositamente progettati per resistere a coppie di serraggio elevate nell'assemblaggio di tutti i tipi di componenti meccanici:

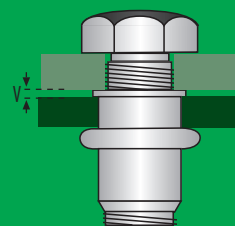
- Ottima soluzione per ottenere una filettatura affidabile e resistente in pezzi di spessore ridotto (0,5 mm).
- Doppia funzione: rivetta il giunto generando una filettatura.
- Disponibile in tre diversi tipi di teste; piatta, ridotta e svasata.
- Utilizzo di utensili ergonomici e semplici, che possono essere pneumatici, manuali o automatici.

TIPI DI TESTA: PIATTA, RIDOTTA E SVASATA

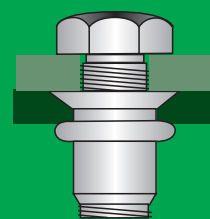
- **PIATTA:** è il tipo di testa più versatile e universale. Fornisce sufficiente superficie di supporto per trattenere tutti i tipi di materiali, tranne quelli estremamente morbidi e fragili, offrendo una coppia di serraggio elevata. Lo spazio "v" è considerevole.
- **RIDOTTA:** Sono progettati per applicazioni in cui un materiale morbido o fragile deve essere unito a un materiale di supporto rigido. Lo spazio a "v" è quasi trascurabile ma offrono coppie di serraggio inferiori rispetto ai rivetti a Testa Piatta.
- **SVASATA:** Questo tipo di testa permette la rivettatura di pezzi di maggior spessore ed è studiata per ottenere una superficie piana senza creste, con una coppia di serraggio elevata. Lo spazio "v" è inesistente ma è necessaria una svasatura precedente.



PIATTA



RIDOTTA



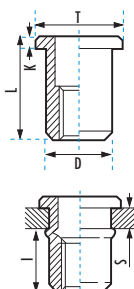
SVASATA

DADI PER RIVETTI CILINDRICI

rivetsert
by CELESAM
MF

HCS

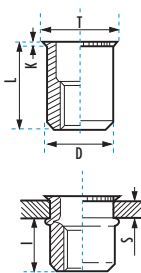
TESTA PIATTA - CORTO



	S mm	D mm +0,07/-0,1	 Ø mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	0.50 - 1.50	4.90	5.00	7.20	0.80	8.50	4.70	2.00	3850-M3	6,95	100
M 4x0.70	0.50 - 2.00	5.90	6.00	8.50	0.80	10.50	6.00	5.00	3850-M4	7,10	100
M 5x0.80	0.50 - 2.50	6.90	7.00	10.00	1.00	13.00	7.50	8.50	3850-M5	7,25	100
M 6x1.00	0.50 - 3.00	8.90	9.00	12.30	1.30	15.50	9.20	15.00	3850-M6	8,76	100
M 8x1.25	1.00 - 3.50	10.90	11.00	15.00	1.50	18.50	11.50	26.00	3850-M8	14,68	50
M 10x1.50	1.00 - 3.50	11.90	12.00	16.00	1.50	19.00	11.00	50.00	3850-M10	24,00	50
M 10x1.50	1.00 - 2.50	12.90	13.00	16.30	1.60	17.00	11.50	50.00	3850-M10E1	24,20	50
M 12x1.75	1.00 - 4.00	14.90	15.00	18.00	1.70	22.00	13.50	80.00	3850-M12	43,88	50
M 12x1.75	1.00 - 4.00	15.90	16.00	22.00	2.00	25.00	16.00	80.00	3850-M12E1	45,09	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi

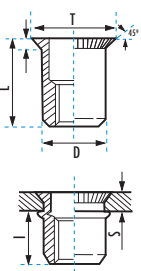
TESTA RIDOTTA - CORTO



	S mm	D mm +0,07/-0,1	 Ø mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	0.50 - 2.00	4.90	5.00	6.00	0.50	9.00	6.20	1.00	3851-M3	6,95	100
M 4x0.70	0.50 - 2.00	5.90	6.00	7.00	0.50	10.50	6.50	3.00	3851-M4	7,10	100
M 5x0.80	0.50 - 2.00	6.90	7.00	8.00	0.50	11.50	7.00	6.00	3851-M5	7,25	100
M 6x1.00	0.50 - 2.50	8.90	9.00	10.00	0.60	14.00	8.50	11.00	3851-M6	8,76	100
M 8x1.25	1.00 - 3.00	10.90	11.00	12.00	0.60	16.50	10.00	20.00	3851-M8	14,68	100
M 10x1.50	0.50 - 3.50	11.90	12.00	13.00	0.85	18.00	13.00	32.00	3851-M10	24,00	50
M 10x1.50	1.00 - 3.00	12.90	13.00	14.00	0.70	17.70	12.00	32.00	3851-M10E1	24,20	50
M 12x1.75	0.50 - 3.50	14.90	15.00	16.50	0.85	22.50	16.00	50.00	3851-M12	43,88	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi

TESTA SVASATA - CORTO



	S mm	D mm +0,07/-0,1	 Ø mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	1.60 - 3.50	4.90	5.00	7.20	1.50	9.50	4.50	1.00	3852-M3	6,95	100
M 4x0.70	1.50 - 3.00	5.90	6.00	9.00	1.50	12.00	6.50	4.00	3852-M4	7,10	100
M 5x0.80	1.50 - 3.50	6.90	7.00	10.00	1.50	13.00	7.50	8.00	3852-M5	7,25	100
M 6x1.00	1.50 - 4.00	8.90	9.00	12.00	1.50	15.50	9.00	15.00	3852-M6	8,76	100
M 8x1.25	2.00 - 4.50	10.90	11.00	14.00	1.50	18.50	10.00	26.00	3852-M8	14,68	100
M 10x1.50	1.60 - 5.00	11.90	12.00	15.00	1.50	21.00	11.50	45.00	3852-M10	24,00	50
M 10x1.50	1.60 - 5.00	12.90	13.00	16.00	1.50	21.00	11.50	45.00	3852-M10E1	24,20	50

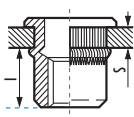
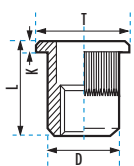
* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi



DADI PER RIVETTI CILINDRICI STRIATI



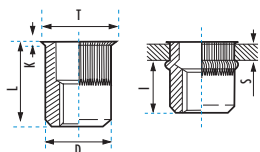
TESTA PIATTA



	S mm	D mm +0,07/-0,1	 Ø +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	0.50 - 1.50	4.90	5.00	8.00	0.80	10.00	6.00	2.00	3853-M3	6,95	100
M 3x0.50	1.50 - 3.00	4.90	5.00	7.00	0.80	11.50	8.00	2.00	3853-M3E1	7,50	100
M 4x0.70	0.50 - 2.00	5.90	6.00	9.00	0.80	10.50	6.00	5.00	3853-M4	7,10	100
M 4x0.70	2.00 - 3.50	5.90	6.00	9.00	0.80	12.00	6.00	5.00	3853-M4E1	8,29	100
M 5x0.80	0.50 - 2.50	6.90	7.00	10.00	1.00	13.00	7.50	8.50	3853-M5	7,25	100
M 5x0.80	2.50 - 5.00	6.90	7.00	10.00	1.00	16.50	8.50	8.50	3853-M5E1	8,46	100
M 6x1.00	0.50 - 3.00	8.90	9.00	12.30	1.30	15.50	9.20	15.00	3853-M6	8,76	100
M 6x1.00	3.00 - 5.50	8.90	9.00	12.30	1.30	19.50	10.50	15.00	3853-M6E1	11,42	100
M 8x1.25	1.00 - 3.50	10.90	11.00	14.50	1.50	18.50	11.50	26.00	3853-M8	14,68	100
M 8x1.25	3.50 - 6.00	10.90	11.00	14.50	1.50	21.00	11.50	26.00	3853-M8E1	17,76	100
M 10x1.50	1.00 - 3.50	11.90	12.00	16.00	1.70	19.00	12.50	50.00	3853-M10	24,00	50
M 10x1.50	3.00 - 6.00	11.90	12.00	16.00	1.60	24.00	18.50	50.00	3853-M10E1	25,38	50
M 10x1.50	1.00 - 4.00	12.90	13.00	17.00	1.70	21.50	13.50	50.00	3853-M10E2	24,20	50
M 10x1.50	4.00 - 6.50	12.90	13.00	17.00	1.70	24.00	13.50	50.00	3853-M10E3	28,47	50
M 12x1.75	1.00 - 4.00	14.90	15.00	18.00	1.70	22.00	13.50	80.00	3853-M12	43,88	50
M 12x1.75	4.00 - 6.50	14.90	15.00	18.00	1.70	25.00	14.00	80.00	3853-M12E1	56,21	50
M 12x1.75	1.00 - 3.50	15.90	16.00	22.00	2.00	25.00	15.00	80.00	3853-M12E2	57,73	50
M 12x1.75	3.50 - 6.00	15.90	16.00	22.00	2.00	28.00	16.50	80.00	3853-M12E3	59,84	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi

TESTA RIDOTTA



	S mm	D mm +0,07/-0,1	 Ø +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	0.50 - 2.00	4.90	5.00	6.00	0.50	9.00	6.50	1.00	3854-M3	6,95	100
M 3x0.50	2.00 - 3.50	4.90	5.00	6.00	0.50	11.50	5.50	1.00	3854-M3E1	7,50	100
M 4x0.70	0.50 - 2.00	5.90	6.00	7.00	0.50	11.20	7.00	3.00	3854-M4	7,10	100
M 4x0.70	2.00 - 4.00	5.90	6.00	7.00	0.50	13.00	7.00	3.00	3854-M4E1	8,29	100
M 5x0.80	0.50 - 2.50	6.90	7.00	8.00	0.50	11.50	7.00	6.00	3854-M5	7,25	100
M 5x0.80	2.00 - 4.00	6.90	7.00	8.00	0.50	13.00	7.00	6.00	3854-M5E1	8,46	100
M 6x1.00	0.50 - 2.50	8.90	9.00	10.00	0.60	14.00	8.50	11.00	3854-M6	8,76	100
M 6x1.00	2.50 - 4.50	8.90	9.00	10.00	0.60	16.00	8.50	11.00	3854-M6E1	11,42	100
M 8x1.25	1.00 - 3.00	10.90	11.00	12.00	0.60	16.50	10.00	20.00	3854-M8	14,68	100
M 8x1.25	3.00 - 5.00	10.90	11.00	12.00	0.60	18.50	10.00	20.00	3854-M8E1	17,76	100
M 10x1.50	1.00 - 3.50	11.90	12.00	13.00	0.70	19.50	13.00	32.00	3854-M10	24,00	50
M 10x1.50	3.50 - 6.00	11.90	12.00	13.00	0.70	22.00	17.00	32.00	3854-M10E1	25,38	50
M 10x1.50	1.00 - 3.50	12.90	13.00	14.00	0.70	19.50	12.50	32.00	3854-M10E2	26,58	50
M 10x1.50	3.50 - 6.00	12.90	13.00	14.00	0.70	22.00	12.50	32.00	3854-M10E3	28,47	50
M 12x1.75	0.50 - 3.50	14.90	15.00	16.50	0.85	22.50	16.00	50.00	3854-M12	43,88	50
M 12x1.75	1.00 - 4.00	15.90	16.00	17.60	0.75	24.20	16.00	50.00	3854-M12E1	45,09	50
M 12x1.75	4.00 - 6.00	15.90	16.00	17.15	0.60	27.00	16.00	50.00	3854-M12E2	59,84	50

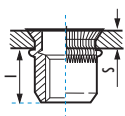
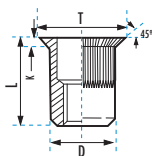
* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi





DADI PER RIVETTI CILINDRICI STRIATI

rivetsert
by CELESAM
MF

HCS

TESTA SVASATA



	S mm	D mm +0,07/-0,1	 mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	1.60 - 2.50	4.90	5.00	6.60	1.05	9.50	4.50	1.00	3855-M3	8,88	100
M 3x0.50	2.50 - 4.00	4.90	5.00	6.60	1.50	10.50	4.50	1.00	3855-M3E1	10,58	100
M 4x0.70	1.50 - 3.00	5.90	6.00	9.00	1.50	12.00	6.50	4.00	3855-M4	9,10	100
M 4x0.70	3.00 - 5.00	5.90	6.00	9.00	1.50	14.00	6.00	4.00	3855-M4E1	11,60	100
M 5x0.80	1.50 - 3.50	6.90	7.00	10.00	1.50	13.00	7.50	8.00	3855-M5	9,13	100
M 5x0.80	3.50 - 6.00	6.90	7.00	10.00	1.50	16.50	8.50	8.00	3855-M5E1	12,75	100
M 6x1.00	1.50 - 4.00	8.90	9.00	12.00	1.50	15.50	9.00	15.00	3855-M6	10,09	100
M 6x1.00	4.00 - 6.00	8.90	9.00	12.00	1.50	18.00	9.00	15.00	3855-M6E1	18,92	100
M 8x1.25	2.00 - 4.50	10.90	11.00	14.00	1.50	18.50	10.00	26.00	3855-M8	19,13	100
M 8x1.25	4.00 - 6.50	10.90	11.00	14.00	1.50	21.00	10.00	26.00	3855-M8E1	19,22	100
M 10x1.50	1.60 - 5.00	11.90	12.00	15.00	1.50	19.00	11.50	45.00	3855-M10	25,38	50
M 10x1.50	5.00 - 7.50	11.90	12.00	15.00	1.50	24.00	11.50	45.00	3855-M10E1	38,98	50
M 10x1.50	2.00 - 5.00	12.90	13.00	16.00	1.50	21.00	11.50	45.00	3855-M10E2	38,97	50
M 10x1.50	5.00 - 7.50	12.90	13.00	16.00	1.50	24.00	11.50	45.00	3855-M10E3	38,98	50
M 12x1.75	1.60 - 5.00	14.90	15.00	18.00	1.50	22.50	14.50	70.00	3855-M12	48,05	50
M 12x1.75	1.70 - 4.50	15.90	16.00	19.00	1.90	24.00	17.50	70.00	3855-M12E1	56,21	50
M 12x1.75	4.00 - 7.50	15.90	16.00	19.00	1.90	29.00	17.50	70.00	3855-M12E2	101,99	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi

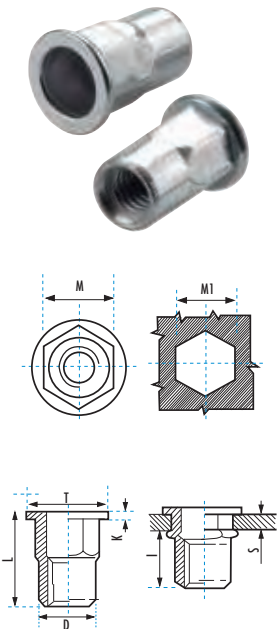




DADI PER RIVETTI SEMI-ESAGONALI



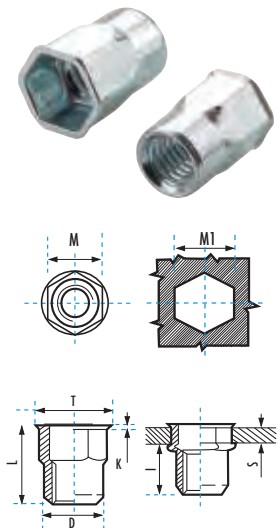
TESTA PIATTA



	S mm	D mm +0,07/-0,1	 T mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	0.50 - 1.50	4.90	5.00	7.20	0.80	8.50	5.50	2.00	3856-M3	9,67	100
M 4x0.70	0.50 - 2.00	5.90	6.00	9.00	0.80	11.00	6.50	5.00	3856-M4	9,79	100
M 4x0.70	2.50 - 4.00	5.90	6.00	9.00	0.80	13.50	6.50	5.00	3856-M4E1	17,54	100
M 5x0.80	0.50 - 3.00	6.90	7.00	10.00	1.00	13.00	8.00	8.50	3856-M5	10,58	100
M 5x0.80	3.00 - 5.50	6.90	7.00	10.00	0.80	16.00	11.00	8.50	3856-M5E1	17,54	100
M 6x1.00	0.50 - 4.00	8.90	9.00	12.00	1.50	16.50	8.50	15.00	3856-M6	11,96	100
M 6x1.00	3.00 - 5.50	8.90	9.00	13.00	1.50	18.50	10.50	15.00	3856-M6E1	29,62	100
M 8x1.25	1.00 - 4.00	10.90	11.00	15.90	1.50	18.20	10.50	20.00	3856-M8	16,97	100
M 8x1.25	4.00 - 6.00	10.90	11.00	15.00	1.50	20.50	12.50	26.00	3856-M8E1	31,79	100
M 10x1.50	1.00 - 3.50	11.90	12.00	17.00	1.60	19.00	12.00	50.00	3856-M10	27,13	50
M 10x1.50	0.50 - 3.50	12.90	13.00	17.00	1.80	21.00	12.00	50.00	3856-M10E1	27,75	50
M 12x1.75	2.00 - 5.00	15.90	16.00	23.00	2.20	27.50	16.50	80.00	3856-M12	59,84	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi

TESTA RIDOTTA



	S mm	D mm +0,07/-0,1	 T mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 3x0.50	0.30 - 1.50	4.90	5.00	6.00	0.50	9.00	5.50	1.00	3857-M3	14,63	100
M 3x0.50	1.50 - 2.50	4.90	5.00	6.00	0.50	10.00	5.50	1.00	3857-M3E1	16,80	100
M 4x0.70	0.50 - 2.00	5.90	6.00	7.00	0.50	12.00	8.30	3.00	3857-M4	8,46	100
M 5x0.80	0.50 - 2.50	6.90	7.00	8.00	0.50	13.00	8.70	6.00	3857-M5	9,49	100
M 6x1.00	1.00 - 3.50	8.90	9.00	10.00	0.60	16.00	10.50	11.00	3857-M6	10,70	100
M 8x1.25	1.00 - 3.50	10.90	11.00	12.00	0.65	17.50	11.30	20.00	3857-M8	14,50	100
M 10x1.50	1.00 - 4.00	11.90	12.00	13.25	0.70	18.30	12.80	32.00	3857-M10	23,26	50
M 10x1.50	1.00 - 4.00	12.90	13.00	14.50	0.75	21.00	12.80	32.00	3857-M10E1	23,58	50
M 12x1.75	1.50 - 4.00	15.90	16.00	17.50	0.80	24.00	16.00	50.00	3857-M12	59,28	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi

TESTA RIDOTTA - PERFORAZIONE SPECIALE



	S mm	D mm +0,07/-0,1	 T mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/100 Unit	
M 4x0.70	0.50 - 2.00	6.30	6.40	7.40	0.50	10.50	6.50	3.00	3858-M4	9,67	100
M 5x0.80	0.50 - 2.50	7.10	7.20	8.20	0.50	12.00	7.50	6.00	3858-M5	11,49	100
M 6x1.00	1.00 - 3.00	9.50	9.60	10.60	0.60	15.00	9.20	11.00	3858-M6	12,38	100
M 8x1.25	1.00 - 3.50	10.50	10.60	11.60	0.60	16.50	10.50	20.00	3858-M8	17,10	100

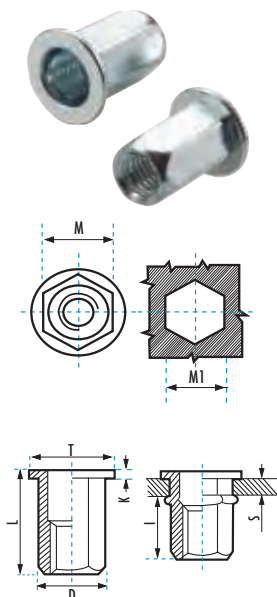
* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi


DADI PER RIVETTI ESAGONALI

rivetsert
by CELESAM
MF

HCS

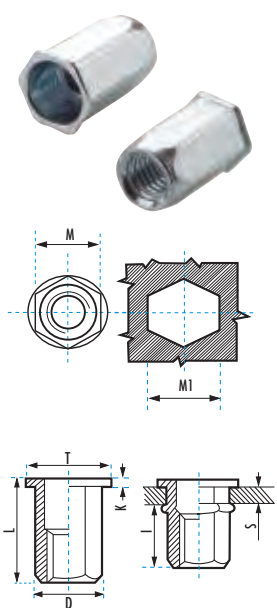
TESTA PIATTA



	S mm	M mm	M1 mm	T mm	K mm	L mm	I mm	 Nm		€/100 Unit	
M 4x0.70	0.50 - 2.00	5.90	6.00	9.00	0.80	11.00	6.50	5.00	3859-M4	9,67	100
M 4x0.70	2.00 - 5.00	5.90	6.00	9.00	0.80	13.50	6.50	5.00	3859-M4E1	15,71	100
M 5x0.80	0.50 - 3.00	6.90	7.00	10.00	1.00	14.00	8.00	8.50	3859-M5	10,58	100
M 5x0.80	3.00 - 6.00	6.90	7.00	10.00	1.00	16.50	8.00	8.50	3859-M5E1	16,62	100
M 6x1.00	0.50 - 3.00	8.90	9.00	13.00	1.20	16.00	9.50	15.00	3859-M6	11,96	100
M 6x1.00	3.00 - 5.00	8.90	9.00	13.00	1.50	19.50	8.50	15.00	3859-M6E1	17,54	100
M 8x1.25	1.00 - 3.50	10.90	11.00	16.00	1.50	17.00	9.50	26.00	3859-M8	16,97	100
M 8x1.25	3.50 - 6.00	10.90	11.00	15.00	1.50	21.50	10.50	26.00	3859-M8E1	22,97	100
M 10x1.50	1.00 - 3.50	11.90	12.00	18.00	1.70	21.00	13.50	50.00	3859-M10	27,13	50
M 10x1.50	1.00 - 3.50	12.90	13.00	18.00	1.70	21.00	13.50	50.00	3859-M10E1	27,75	50
M 10x1.50	3.50 - 6.50	12.90	13.00	17.00	1.50	24.00	14.50	50.00	3859-M10E2	42,67	50
M 12x1.75	1.00 - 3.50	14.90	15.00	19.00	2.00	24.30	16.00	80.00	3859-M12	69,51	50
M 12x1.75	2.00 - 5.00	15.90	16.00	23.00	2.00	27.00	16.50	80.00	3859-M12E1	59,84	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi

TESTA RIDOTTA



	S mm	M mm	M1 mm	T mm	K mm	L mm	I mm	 Nm		€/100 Unit	
M 3x0.50	0.50 - 1.50	4.90	5.00	6.00	0.45	8.50	5.00	1.00	3860-M3	14,63	100
M 4x0.70	0.50 - 2.50	5.90	6.00	7.00	0.50	11.00	6.70	3.00	3860-M4	8,46	100
M 4x0.70	2.50 - 5.00	5.90	6.00	7.00	0.50	13.50	6.70	3.00	3860-M4E1	12,70	100
M 5x0.80	0.50 - 3.00	6.90	7.00	8.00	0.50	14.50	9.00	6.00	3860-M5	9,49	100
M 5x0.80	3.00 - 5.00	6.90	7.00	8.00	0.50	16.00	9.00	6.00	3860-M5E1	13,59	100
M 6x1.00	1.00 - 3.50	8.90	9.00	10.00	0.60	16.00	10.00	11.00	3860-M6	10,70	100
M 6x1.00	3.50 - 6.00	8.90	9.00	10.00	0.60	18.00	10.00	11.00	3860-M6E1	14,50	100
M 8x1.25	1.00 - 4.00	10.90	11.00	12.00	0.65	18.00	11.50	20.00	3860-M8	14,50	100
M 8x1.25	4.00 - 6.00	10.90	11.00	12.00	0.65	20.00	11.50	20.00	3860-M8E1	21,27	100
M 10x1.50	0.50 - 3.50	11.90	12.00	14.50	1.00	19.00	12.50	32.00	3860-M10	23,26	50
M 10x1.50	1.00 - 3.50	12.90	13.00	14.50	0.75	19.00	12.50	32.00	3860-M10E1	23,58	50
M 10x1.50	3.50 - 6.00	12.90	13.00	14.50	0.75	23.50	14.50	32.00	3860-M10E2	37,47	50
M 12x1.75	1.00 - 4.00	14.90	15.00	17.50	1.10	22.50	-	50.00	3860-M12	75,55	50
M 12x1.75	1.00 - 5.00	15.90	16.00	17.80	1.10	25.00	-	50.00	3860-M12E1	74,94	50
M 12x1.75	5.00 - 7.50	15.90	16.00	17.80	1.10	28.00	-	50.00	3860-M12E2	74,94	50

* Tutti i prezzi indicati si riferiscono a confezioni da 100 pezzi



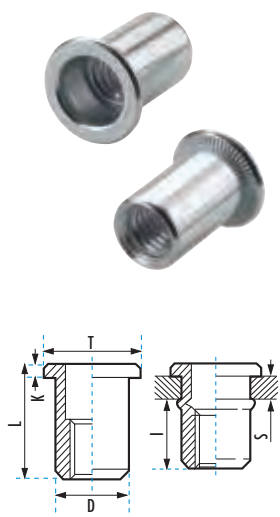
DADI PER RIVETTI CILINDRICI

M MF M/MF INOX

rivetsert by CELESA

Rosa

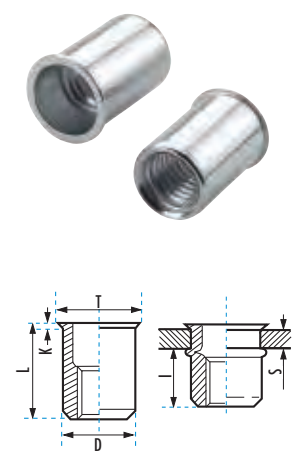
TESTA PIATTA



	S mm	D mm +0,07/-0,1	 Ø +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/Unit	
M 3x0.50	0.30 - 1.80	4.90	5.00	8.00	0.75	9.00	5.50	2.00	3950-M3	-	25
M 4x0.70	0.50 - 2.00	5.90	6.00	8.50	0.80	10.50	6.00	5.00	3950-M4	0,29	25
M 5x0.80	0.50 - 2.50	6.90	7.00	10.00	1.00	13.00	7.50	8.50	3950-M5	0,32	25
M 6x1.00	0.50 - 3.00	8.90	9.00	12.30	1.30	15.50	9.20	15.00	3950-M6	0,54	25
M 8x1.25	1.00 - 3.50	10.90	11.00	15.00	1.50	18.50	11.50	26.00	3950-M8	0,80	25
M 10x1.50	0.80 - 3.50	11.90	12.00	16.00	1.70	19.00	10.50	50.00	3950-M10	-	1
M 10x1.50	1.00 - 4.00	12.90	13.00	17.00	1.60	21.00	12.50	50.00	3950-M10E1	1,25	1
M 12x1.75	1.00 - 4.00	14.90	15.00	18.00	1.70	22.00	13.50	80.00	3950-M12	-	1
M 12x1.75	1.00 - 4.00	15.90	16.00	23.00	2.00	26.00	16.50	80.00	3950-M12E1	-	1

- Consultare prezzo e disponibilità.

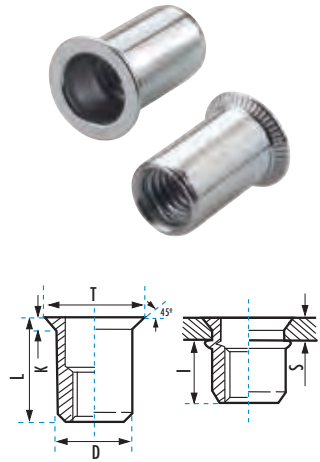
TESTA RIDOTTA



	S mm	D mm +0,07/-0,1	 Ø +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/Unit	
M 3x0.50	0.30 - 1.50	4.90	5.00	5.60	0.35	8.50	5.50	1.00	3951-M3	-	25
M 4x0.70	0.50 - 2.00	5.90	6.00	7.00	0.50	10.50	6.50	3.00	3951-M4	0,26	25
M 5x0.80	0.50 - 2.00	6.90	7.00	8.00	0.50	11.50	7.00	6.00	3951-M5	0,30	25
M 6x1.00	0.50 - 2.50	8.90	9.00	10.00	0.60	14.00	8.50	11.00	3951-M6	0,50	25
M 8x1.25	0.50 - 3.00	10.90	11.00	12.00	0.50	16.50	10.50	20.00	3951-M8	0,73	25
M 10x1.50	0.80 - 3.00	11.90	12.00	13.50	0.80	18.00	10.20	32.00	3951-M10	-	1
M 10x1.50	1.00 - 3.50	12.90	13.00	14.10	0.60	19.50	11.50	32.00	3951-M10E1	1,22	1
M 12x1.75	0.5 - 3.5	14.90	15.00	16.50	0.85	22.50	16.00	49.00	3951-M12	-	1

- Consultare prezzo e disponibilità.

TESTA SVASATA



	S mm	D mm +0,07/-0,1	 Ø +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm	 Nm		€/Unit	
M 3x0.50	1.70 - 3.00	4.90	5.00	8.00	1.50	11.50	5.50	1.00	3952-M3	-	25
M 4x0.70	1.50 - 3.00	5.90	6.00	9.00	1.50	12.00	7.50	4.00	3952-M4	0,35	25
M 5x0.80	1.50 - 3.50	6.90	7.00	10.00	1.50	13.00	7.80	8.00	3952-M5	0,39	25
M 6x1.00	1.50 - 4.00	8.90	9.00	12.00	1.50	15.50	9.00	15.00	3952-M6	0,56	25
M 8x1.25	2.00 - 4.50	10.90	11.00	14.00	1.50	18.50	12.00	26.00	3952-M8	0,84	25
M 10x1.50	1.00 - 4.00	11.90	12.00	15.00	1.50	18.00	10.50	45.00	3952-M10	-	1
M 10x1.50	2.00 - 5.00	12.90	13.00	16.00	1.50	21.00	13.00	45.00	3952-M10E1	1,25	1




- Consultare prezzo e disponibilità.

INOX




DADI PER RIVETTI CILINDRICI STRIATI

rivetsert
by CELESA




TESTA PIATTA

	S mm	D mm +0,07/-0,1	ϕ mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm			€/Unit	
M 3x0.50	0.50 - 1.50	4.90	5.00	7.00	0.80	10.00	5.00	2.00	3953-M3	-	25
M 3x0.50	1.50 - 3.00	4.90	5.00	8.00	0.75	10.00	5.50	2.00	3953-M3E1	-	25
M 4x0.70	0.50 - 2.00	5.90	6.00	9.00	0.80	10.50	6.50	5.00	3953-M4	0,29	25
M 4x0.70	2.50 - 4.00	5.90	6.00	9.00	0.75	12.50	6.50	5.00	3953-M4E1	-	25
M 5x0.80	0.50 - 2.50	6.90	7.00	10.00	1.00	13.00	8.00	8.50	3953-M5	0,32	25
M 5x0.80	2.00 - 4.00	6.90	7.00	10.00	1.00	16.00	8.00	8.50	3953-M5E1	-	25
M 6x1.00	0.50 - 3.00	8.90	9.00	12.30	1.30	15.50	9.20	15.00	3953-M6	0,54	25
M 6x1.00	3.50 - 6.00	8.90	9.00	13.00	1.50	19.00	9.00	15.00	3953-M6E1	0,74	25
M 8x1.25	1.00 - 3.50	10.90	11.00	14.50	1.50	18.50	11.50	26.00	3953-M8	0,80	25
M 8x1.25	3.00 - 6.00	10.90	11.00	14.50	1.50	21.00	11.50	26.00	3953-M8E1	1,02	25
M 10x1.50	0.80 - 3.50	11.90	12.00	16.00	1.70	19.00	10.50	50.00	3953-M10	1,48	1
M 10x1.50	3.50 - 6.00	11.90	12.00	16.00	1.70	22.00	10.50	50.00	3953-M10E1	-	1
M 10x1.50	1.00 - 4.00	12.90	13.00	17.00	1.60	21.00	13.50	50.00	3953-M10E2	1,25	1
M 10x1.50	3.00 - 6.00	12.90	13.00	19.00	2.00	26.00	14.50	50.00	3953-M10E3	1,77	1
M 12x1.75	1.00 - 4.00	14.90	15.00	18.00	1.70	22.00	13.50	80.00	3953-M12	-	1
M 12x1.75	4.00 - 6.50	14.90	15.00	18.00	1.70	25.00	14.00	80.00	3953-M12E1	-	1
M 12x1.75	1.00 - 4.00	15.90	16.00	23.00	2.00	25.00	16.50	80.00	3953-M12E2	2,11	1
M 12x1.75	3.50 - 7.00	15.90	16.00	23.00	1.60	29.00	16.50	80.00	3953-M12E3	-	1

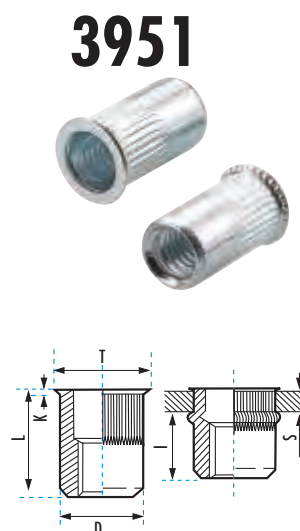
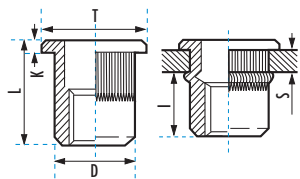
TESTA RIDOTTA

	S mm	D mm +0,07/-0,1	ϕ mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm			€/Unit	
M 3x0.50	0.50 - 2.00	4.90	5.00	6.00	0.40	9.00	5.50	1.00	3954-M3	-	25
M 3x0.50	1.50 - 2.50	4.90	5.00	5.80	0.50	10.00	5.50	1.00	3954-M3E1	-	25
M 4x0.70	0.50 - 2.00	5.90	6.00	7.00	0.50	10.50	6.50	3.00	3954-M4	0,26	25
M 4x0.70	2.50 - 4.00	5.90	6.00	7.00	0.50	12.50	6.50	3.00	3954-M4E1	0,51	25
M 5x0.80	0.50 - 2.00	6.90	7.00	8.00	0.50	11.50	7.20	6.00	3954-M5	0,30	25
M 5x0.80	2.50 - 4.50	6.90	7.00	8.00	0.50	13.00	6.80	6.00	3954-M5E1	0,62	25
M 6x1.00	0.50 - 3.00	8.90	9.00	10.00	0.60	14.00	9.00	11.00	3954-M6	0,50	25
M 6x1.00	3.00 - 6.00	8.90	9.00	10.00	0.50	17.50	8.60	11.00	3954-M6E1	0,77	25
M 8x1.25	1.00 - 3.50	10.90	11.00	12.00	0.50	16.50	10.50	20.00	3954-M8	0,73	25
M 8x1.25	3.50 - 6.00	10.90	11.00	12.00	0.65	19.50	10.00	20.00	3954-M8E1	1,08	25
M 10x1.50	0.80 - 3.00	11.90	12.00	13.50	0.80	18.00	11.20	32.00	3954-M10	1,48	1
M 10x1.50	2.00 - 4.50	11.90	12.00	13.50	0.80	19.50	11.20	32.00	3954-M10E1	-	1
M 10x1.50	1.00 - 3.50	12.90	13.00	14.00	0.70	17.70	10.70	32.00	3954-M10E2	1,48	1
M 10x1.50	3.00 - 6.00	12.90	13.00	14.00	0.50	23.00	13.30	32.00	3954-M10E3	-	1
M 12x1.75	0.50 - 3.50	14.90	15.00	16.50	0.85	22.50	16.00	50.00	3954-M12	-	1
M 12x1.75	1.00 - 4.00	15.90	16.00	17.60	0.75	24.20	14.00	50.00	3954-M12E1	2,11	1
M 12x1.75	4.00 - 6.00	15.90	16.00	17.50	0.60	27.00	16.00	50.00	3954-M12E2	-	1

TESTA SVASATA

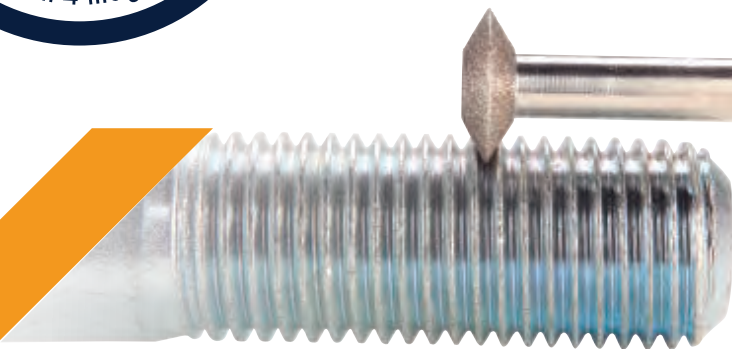
	S mm	D mm +0,07/-0,1	ϕ mm +0,1/-0	T mm +/-0,3	K mm +/-0,15	L mm +/-0,3	I mm			€/Unit	
M 3x0.50	1.70 - 3.00	4.90	5.00	8.00	1.50	11.50	11.50	1.00	3955-M3	0,35	25
M 3x0.50	3.00 - 4.00	4.90	5.00	8.00	1.50	12.50	11.50	1.00	3955-M3E1	-	25
M 4x0.70	1.50 - 3.00	5.90	6.00	9.00	1.50	12.00	7.50	4.00	3955-M4	0,37	25
M 4x0.70	3.50 - 5.00	5.90	6.00	9.00	1.50	13.00	7.50	4.00	3955-M4E1	0,49	25
M 5x0.80	1.50 - 3.50	6.90	7.00	10.00	1.50	13.00	7.00	8.00	3955-M5	0,39	25
M 5x0.80	4.00 - 6.00	6.90	7.00	10.00	1.50	15.00	7.00	8.00	3955-M5E1	0,61	25
M 6x1.00	1.50 - 4.00	8.90	9.00	12.00	1.50	15.50	9.00	15.00	3955-M6	0,56	25
M 6x1.00	4.50 - 6.50	8.90	9.00	12.00	1.50	19.00	9.00	15.00	3955-M6E1	0,95	25
M 8x1.25	2.00 - 4.50	10.90	11.00	14.00	1.50	18.50	12.00	26.00	3955-M8	0,84	25
M 8x1.25	3.50 - 6.50	10.90	11.00	13.70	1.50	21.00	12.00	26.00	3955-M8E1	1,15	25
M 10x1.50	1.50 - 4.00	11.90	12.00	15.00	1.50	18.00	10.50	45.00	3955-M10	-	1
M 10x1.50	3.00 - 6.00	11.90	12.00	15.00	1.50	20.00	10.50	45.00	3955-M10E1	-	1
M 10x1.50	2.00 - 5.00	12.90	13.00	16.00	1.50	21.00	13.00	45.00	3955-M10E2	1,25	1
M 10x1.50	3.50 - 6.50	12.90	13.00	15.70	1.60	25.00	14.50	45.00	3955-M10E3	2,02	1
M 12x1.75	1.60 - 5.00	14.90	15.00	18.00	1.50	22.50	14.50	50.00	3955-M12	-	1
M 12x1.75	1.50 - 4.50	15.90	16.00	19.00	1.70	24.00	14.00	50.00	3955-M12E1	2,11	1
M 12x1.75	4.00 - 7.50	15.90	16.00	19.00	1.90	29.00	17.50	50.00	3955-M12E2	-	1

- Consultare prezzo e disponibilità.



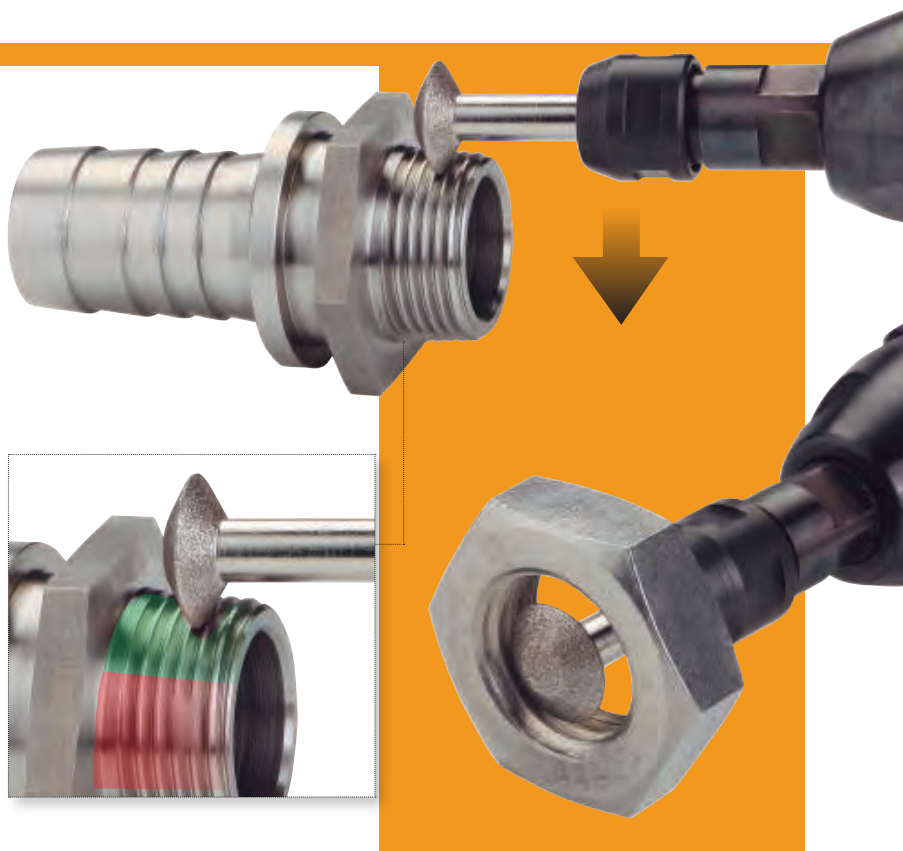


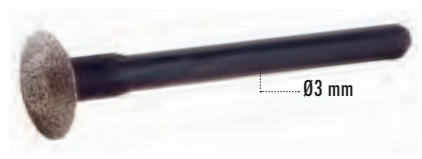
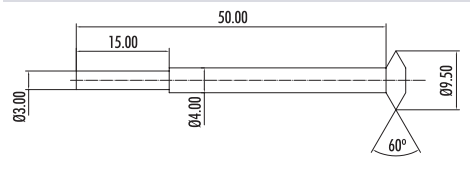
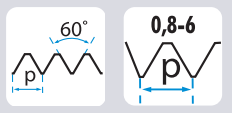
ROTA
HREAD®
by CELESA



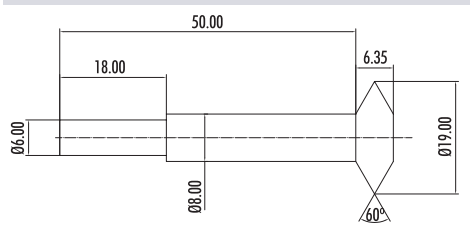
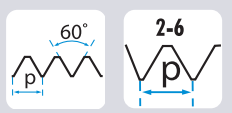
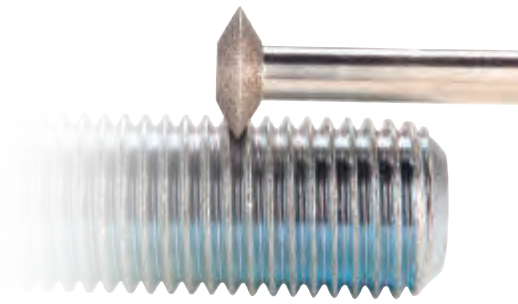
FRESE ROTATIVE CBN PER LA RIPARAZIONE DI FILETTATURE

- Iniziare sui filetti buoni (zona verde) e lavorare sulla zona danneggiata (zona rossa). Ruotare l'utensile senza premere troppo forte lungo il profilo della filettatura per rilavorare i filetti danneggiati. Lasciare che lo utensile faccia il suo lavoro.
- Tenere pulito l'utensile e utilizzare olio da taglio per aumentare la durata e le prestazioni dell'utensile.
- Ripetere il passo uno su tutte le aree danneggiate.

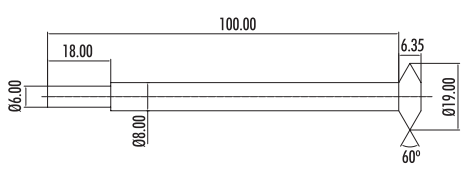
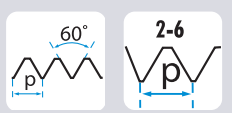




LRR1
55,86 €



LRR2
70,76 €



LRR3
80,07 €

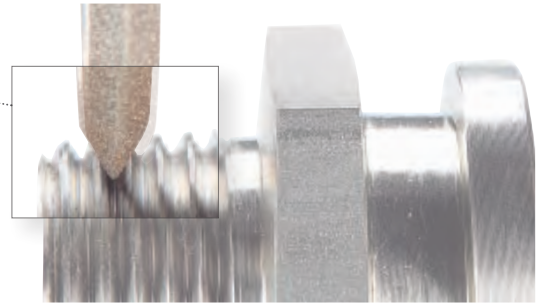


ROTA HREAD®

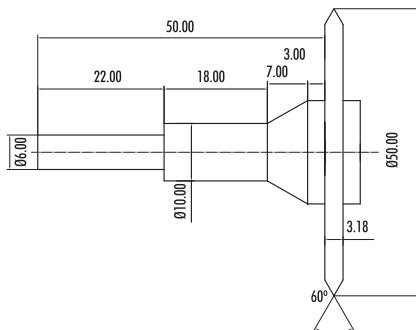
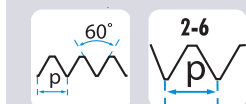
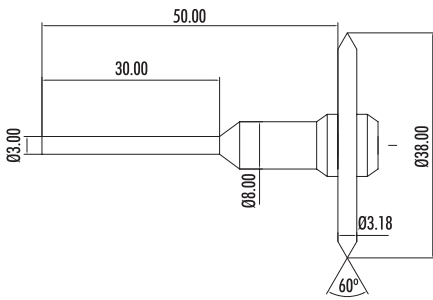
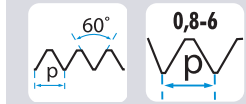
by *CELESA*

ROTA
HREAD®
by *CELESA*

Rosa



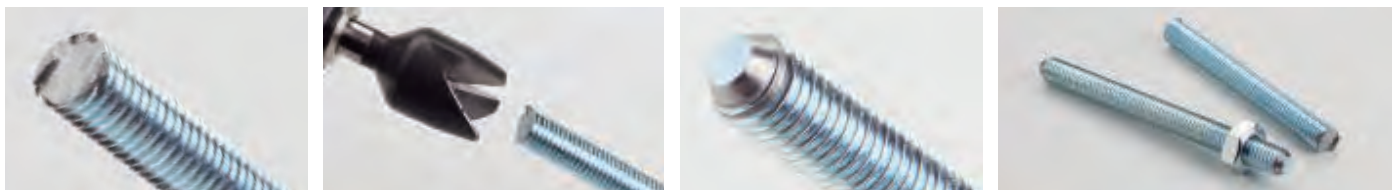
LRR4
85,65 €



LRR5
102,41 €



SVASATORI ESTERNI PER RIPARAZIONE DEI FILETTI DI ATTACCO



Svasatori Esterni

Gli svasatori esterni vengono utilizzati per correggere i filetti iniziali di una vite o di una barra filettata. Queste filetti hanno potuto essere colpite e tagliate con la radiale, quindi la bava generata non consente l'inserimento di un dado. Il svasatore pulisce queste filetti e genera uno smusso di 60° che facilita l'inserimento del dado.

- Non genera calore né scintille.
- Il svasatore deve essere utilizzato a basse velocità (Max 500 giri / min).
- L'olio da taglio CUT MAGIC semplifica le operazioni.
- Comunemente utilizzato con trapani a mano e in particolare trapani a batteria.

HSS

60°



AVEXT

MIN.-MAX.		L ₁ mm		€
M8-M18	1/4"	75	AVEXT	28,11

AVMDEXT

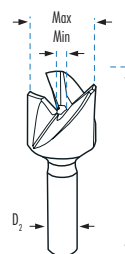
MIN.-MAX.			€
5-25 mm	1/4"	AVMDEXT	32,36

INOX

MD

HSS

60°



AV

MIN.-MAX.	D ₁ mm	D ₂ mm	L ₁ mm		€
M3-M8	3,0	8,0	55	AVX1-60	63,40
M6-M14	6,0	10,0	60	AVX2-60	121,66
M10-M27	10,0	13,0	75	AVX3-60	182,33

LIME PER LA RIPARAZIONE DI FILETTATURE

Facile
da usare

Non acquistate, riparate.

Identificazione del passo: Se si ignora il passo della filettatura da riparare, inserire la lima nei filetti sani della filettatura fino a verificare che le creste e le valli combacino perfettamente, coprendo l'intero profilo in controluce. È importante trovare il passo esatto poiché ci sono passi che sembrano simili e possono portare a errori. Se ci confondiamo, rovineremo il pezzo definitivamente.

Riparazione: Una volta individuato il passo, limare delicatamente i filetti danneggiati, facendo corrispondere il profilo della lima a quello dei filetti danneggiati. Senza asprezza ma facendo funzionare la lima. Non vi preoccupate di andare troppo in profondità, la lima stessa limita la profondità del filetto. Si consiglia di iniziare con i filetti sani per guidare correttamente la lima. Utilizzare olio da taglio CUT MAGIC, che faciliterà la sbavatura. Controllare le condizioni della filettatura con un dado e se non si adatta liberamente, non forzarla e ripassare la filettatura nuovamente.

Per filettature esterne

Passi metrici:

0,75 - 1,00 - 1,25 - 1,50 - 1,75 - 2,00 - 2,50 - 3,00

Rif. LR1
40,09 €

Per filettature esterne e interne

Passi metrici:

0,80 - 1,00 - 1,25 - 1,50 - 1,75 - 2,00 - 2,50 - 3,00

Rif. LR2
60,20 €



silbertool[®]
by *celesa*



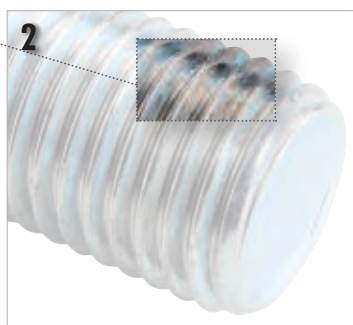
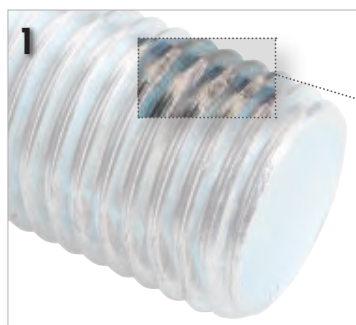
RIPARATORE DI FILETTATURE

ESTERNE MEDIANTE LAMINAZIONE

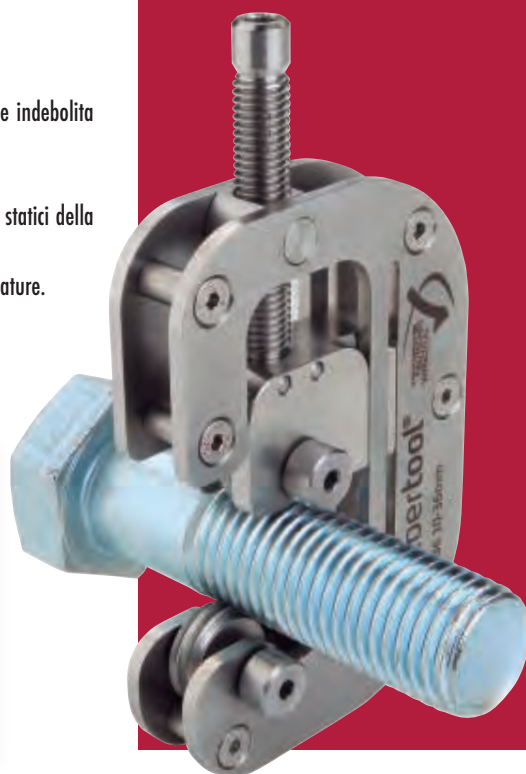
I riparatori di filettature Silbertool sono la soluzione perfetta per filettature estremamente danneggiate, che non possono essere riparate da filiere o altri riparatori di filettature esterne poiché una rimozione di materiale dei filetti comporterebbe un indebolimento irreparabile e renderebbe inutilizzabile il bullone o vite. L'ampia gamma di rulli con passi diversi offre versatilità in quanto cambiando solo i rulli si possono riparare filettature di passi molto diversi. Una volta stabilito il passo, è possibile riparare bulloni con lo stesso passo, ad esempio: M6X1, M8X1, M10X1, M12X1, M14X1, ecc ... versatile, facile e molto utile.

Vantaggi

- La filettatura viene riparata mediante stampaggio a freddo, quindi la filettatura riparata non viene indebolita ma piuttosto rinforzata.
- Tutti i passi vengono riparati con lo stesso utensile. Ogni rullo ha il suo passo.
- È stato dimostrato che una filettatura riparata con Silbertool® sopporta gli stessi carichi dinamici e statici della filettatura originale. Inoltre, ha dimostrato di offrire una maggiore resistenza alla fatica.
- Durante il processo di riparazione, la superficie della filettatura è perfettamente pulita; senza sbavature.
- Utilizzare il fluido da taglio Cut Magic per ridurre lo sforzo di riparazione.



RIPARAZIONE NON INVASIVA



RIPARATORE DI FILETTATURE ESTERNE MEDIANTE LAMINAZIONE



Rif. R16



M / MF			R16
M5 - M16	0,50 - 2,00	R16	€ / Unit 394,18

Non include i rulli.



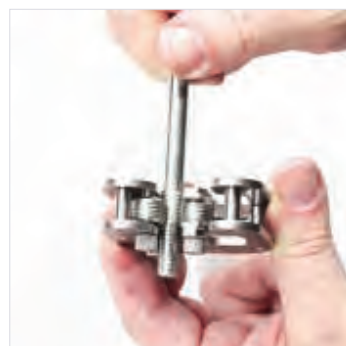
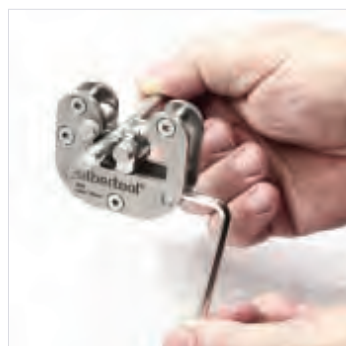
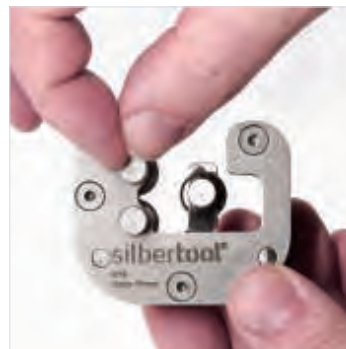
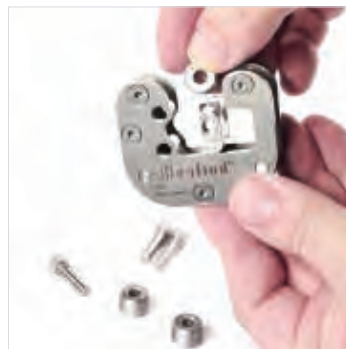
Rif. R160175



Rif. R160125

SERIE DI RULLI

M / MF			€ / Unit		€ / Unit
M5 - M16	0.50	R160050	84,25	R16I0050	112,42
M5 - M16	0.75	R160075	84,25	R16I0075	112,42
M5 - M16	0.80	R160080	84,25	R16I0080	112,42
M5 - M16	1.00	R160100	84,25	R16I0100	112,42
M5 - M16	1.25	R160125	84,25	R16I0125	112,42
M5 - M16	1.50	R160150	84,25	R16I0150	112,42
M5 - M16	1.75	R160175	84,25	R16I0175	112,42
M5 - M16	2.00	R160200	84,25	R16I0200	112,42



RIPARATORE DI FILETTATURE ESTERNE MEDIANTE LAMINAZIONE

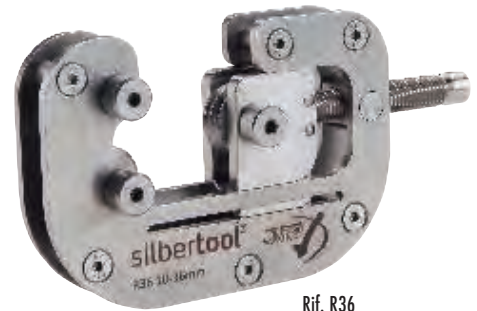


Rif. R360250



SERIE DI RULLI

M / MF			€/ Unit		€/ Unit
M10 - M36	0.50	R360050	128,37	R36I0050	154,10
M10 - M36	0.75	R360075	128,37	R36I0075	154,10
M10 - M36	1.00	R360100	128,37	R36I0100	154,10
M10 - M36	1.25	R360125	128,37	R36I0125	154,10
M10 - M36	1.50	R360150	128,37	R36I0150	154,10
M10 - M36	1.75	R360175	128,37	R36I0175	154,10
M10 - M36	2.00	R360200	128,37	R36I0200	154,10
M10 - M36	2.50	R360250	128,37	R36I0250	154,10
M10 - M36	3.00	R360300	128,37	R36I0300	154,10
M10 - M36	3.50	R360350	128,37	R36I0350	154,10
M10 - M36	4.00	R360400	128,37	R36I0400	154,10



Rif. R36

M / MF			€/ Unit
M10 - M36	0.50 - 4.00	R36	900,12

Non include i rulli.



Rif. R600050



SERIE DI RULLI

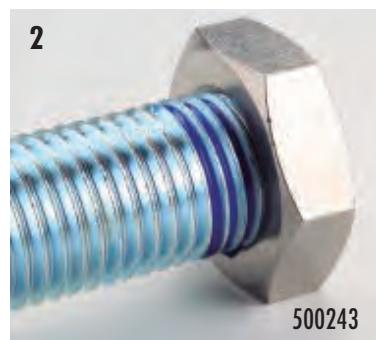
M / MF			€/ Unit		€/ Unit
M10 - M60 - M110	0.50	R600050	231,27	R60I0050	257,00
M10 - M60 - M110	0.80	R600080	231,27	R60I0080	257,00
M10 - M60 - M110	1.00	R600100	231,27	R60I0100	257,00
M10 - M60 - M110	1.25	R600125	231,27	R60I0125	257,00
M10 - M60 - M110	1.50	R600150	231,27	R60I0150	257,00
M10 - M60 - M110	1.75	R600175	231,27	R60I0175	257,00
M10 - M60 - M110	2.00	R600200	231,27	R60I0200	257,00
M10 - M60 - M110	2.50	R600250	231,27	R60I0250	257,00
M10 - M60 - M110	3.00	R600300	231,27	R60I0300	257,00



Rif. R60

M / MF			€/ Unit
M10 - M60	0.50 - 3.00	R60	1.157,37
M50 - M110	0.50 - 3.00	R110	1.800,50

Non include i rulli.



Adesivi anaerobici per filettature

Questo prodotto è stato concepito per fissare e sigillare giunti filettati in ambito industriale, ottenendo negli stessi una maggiore resistenza meccanica.

Vantaggi

- La caratteristica principale degli adesivi anaerobici è l'indurimento del legame dopo il contatto metallo-metallo in assenza di aria.
- Così si ottiene un fissaggio resistente alle vibrazioni, agli urti ed estremamente resistente a prodotti chimici e solventi.
- Grazie allo stato liquido di POWERLOCK è possibile riempire completamente i vuoti del legame, sigillare le perdite e proteggere dalla corrosione provocata dagli agenti esterni, consentendo una maggiore durata del legame filettato. Inoltre, POWERLOCK è molto spesso applicato nel campo della sigillatura delle flange.
- L'applicazione di POWERLOCK è semplice e veloce; l'adesivo raggiunge l'indurimento iniziale in pochi minuti e l'indurimento finale in poche ore a temperatura ambiente.
- POWERLOCK è particolarmente adatto per tutti i metalli e per alcune plastiche.

Principali applicazioni

- Connessioni bullonate da M5 a M36
- Consente di fissare saldamente cuscinetti, perni; cappuccio, bulloni, alberi e altre parti assemblate.
- Sigillano giunti idraulici e pneumatici.

Materiali attivi e passivi

Materiali attivi (Indurimento rapido)

- Bronzo
- Ferro
- Rame
- Ottone
- Acciaio

Materiali Passivi (Indurimento lento)

- Acciaio altamente legato
- Alluminio, nichel, zinco, oro
- Strati di ossido

500222



	Colore	Intervallo di applicazione	Viscosità a +25°C	Allentamento mass.	Resistenza alla rotura	Forza residua	Resistenza al cesoiamento (N/mm ²)	Tempo di polimerizzazione fase iniziale a T° ambiente	Tempo di polimerizzazione totale a T° ambiente	Temperatura di lavoro	€
500222 *		M1-M36	1.000 mPa-s	0,20 mm	4-8 Nm	2-4 Nm	3-5 N/mm ² (435-725 psi)	10-20 min.	3-6 h.	-60 - +150°C (-76 - +302°F)	42,99
500243 **		M1-M36	2.000 - 7.000 mPa-s	0,25 mm	17-22 Nm	8-12 Nm	9-13 N/mm ² (1.305-1.885 psi)	10-20 min.	1-3 h.	-60 - +150°C (-76 - +302°F)	42,99
500270 ***		M1-M20	500 mPa-s	0,15 mm	28-35 Nm	50-65 Nm	15-20 N/mm ² (2.175-2.900 psi)	10-20 min.	3-6 h.	-60 - +150°C (-76 - +302°F)	42,99

* Forza bassa (facile smontaggio)

** Forza media (smontaggio con utensile)

*** Forza alta (smontaggio con calore)



Pulizia pre-uso di adesivi e sigillanti

Il pulitore per superfici viene utilizzato per pulire e sgrassare le superfici da incollare o sigillare con adesivi e sigillanti POWERLOCK. Pulisce ed evapora senza lasciare traccia.



500001

16,01 €



500572

PTFE



500572



Rosa

Sigillanti di filettature per tubi in impianti idraulici e pneumatici

I sigillanti per tubi filettati POWERLOCK prevengono le perdite di qualsiasi fluido gassoso e liquido utilizzato nell'industria, che vengono condotte a pressioni molto elevate

Vantaggi

- Sono resistenti alla maggior parte dei fluidi applicati nell'industria ed evitano l'ostruzione dei pezzi di raccordo (Curve, ecc..) negli impianti idraulici e pneumatici (come accadrebbe utilizzando canapa o nastri di teflon).
- Il legame filettato è protetto contro la corrosione di tali fluidi e le diverse resistenze disponibili ne consentono lo smontaggio anche dopo diversi anni di stabile legame.
- I sigillanti POWERLOCK sono la scelta migliore per creare un legame filettato IMPERMEABILE ed evitare il rischio di perdite.

Raccomandazioni per l'uso

Applicazione diretta

POWERLOCK si applica direttamente con la sua punta di dosaggio, evitando il contatto diretto della punta di dosaggio con il metallo. Per giunti pressati ed elementi di giunzione di grandi dimensioni, applicare su entrambe le superfici formando uno strato sottile ed uniforme. Per le filettature dei fori ciechi, applicare una quantità sufficiente di POWERLOCK al foro. Per viti e bulloni, applicare l'adesivo a forma anulare. Non versare il ritorno nella bottiglia il liquido POWERLOCK che è già stato a contatto con il metallo. Anche le particelle più fini portano all'indurimento nella bottiglia.



500542

	Colore	Intervallo di applicazione	Viscosità a +25°C	Allentamento mass.	Resistenza alla rotura	Forza residua	Resistenza al cesoiamento (N/mm ²)	Tempo di polimerizzazione fase iniziale a T° ambiente	Tempo di polimerizzazione totale a T° ambiente	Temperatura di lavoro	€
500542 		G 1/8"-3/4"	500 mPa·s	0,15 mm	12-15 Nm	18-22 Nm	8-12 N/mm ² (1.160-1.740 psi)	10-20 min.	2-4 h.	-60 - +150°C (-76 - +302°F)	42,99
500572 ** 		G 1/8"-3"	17.000-50.000 mPa·s	0,40 mm	7-10 Nm	2-4 Nm	4-6 N/mm ² (580-870 psi)	20-40 min.	5-10 h.	-60 - +150°C (-76 - +302°F)	25,84

** PTFE liquido

* Scheda dati di sicurezza disponibile.



	Insero standard (libero)		Codice famiglia		Maschi a mano HSS
	Insero Autobloccante		Lunghezza inserto installato = Ø x 1,0		Maschi a mano M/MF, UNC, UNF, 8 UN, NPT
	Metrica e metrica fine		Lunghezza inserto installato = Ø x 1,5		Maschi a mano BSW, BSF, BSP, BSB
	Filettatura americana UNC		Lunghezza inserto installato = Ø x 2,0		Maschi a mano BA
	Filettatura americana fine UNF		Lunghezza inserto installato = Ø x 2,5		Maschio con doppia entrata per candele
	Filettatura inglese Whitworth		Lunghezza inserto installato = Ø x 3,0		Maschio Elicoidale 35° HSS - V3 (3% V)
	Filettatura inglese fine Whitworth		Lunghezza inserto installato = Ø x 3,5		Maschio con entrata corretta F / B HSS-V3 3% V
	Filettatura inglese BSP / GAS		Codifica della lungh. inserto installato = Øx "D"		Maschio in tolleranza 5H / 6H
	Filettatura inglese BSP / GAS		Insero di acciaio inossidabile 304		Maschio in tolleranza 2B-3B
	Filettatura conica americana NPT		Lunghezza filettatura candela		Bobina di inserti
	Filettatura americana UN-8 fili		Conformità su ordine speciale		Serie corti
	Filettatura inglese BA		Conformità di inserto		Serie medie
	Filettatura inglese BSB (ottone)		Punta HSS		Serie lunghi
			Tampone passa, non passa		Utensile di installazione manuale



Diametro di inserto	Passo in mm e pollici	Lunghezza installata	Unità di imballaggio	No. di inserti	Diametro di Punta	Maschio	Utensile di installazione N°	Rompi coda