

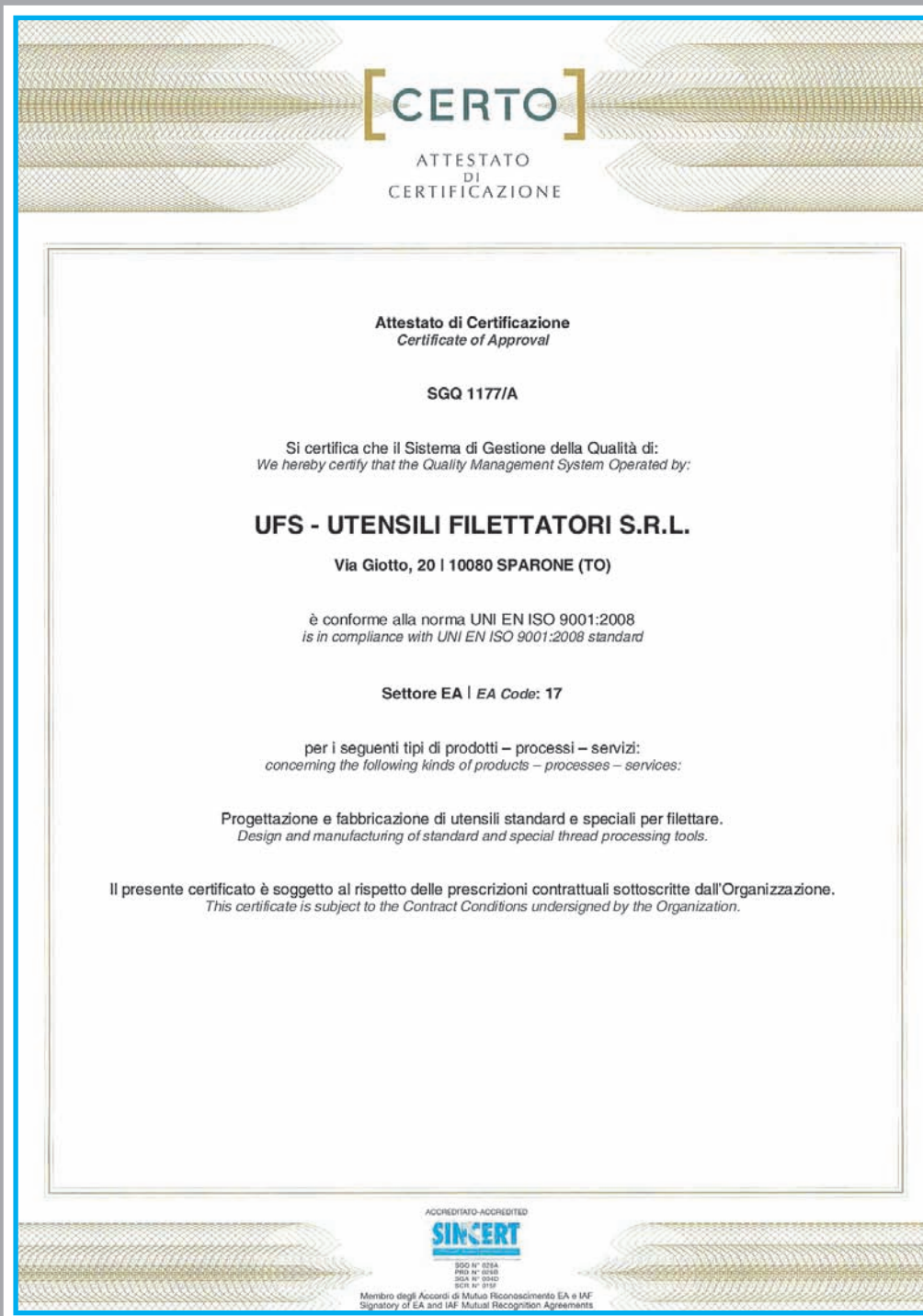


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CATALOGO TECNICO TECHNICAL CATALOGUE 29





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Attenzione: i maschi si possono scheggiare durante il loro impiego e si raccomanda l'uso degli occhiali o dello schermo protettivo.

*Warning: taps can splinter during use; protective goggles or shield should therefore be used.*

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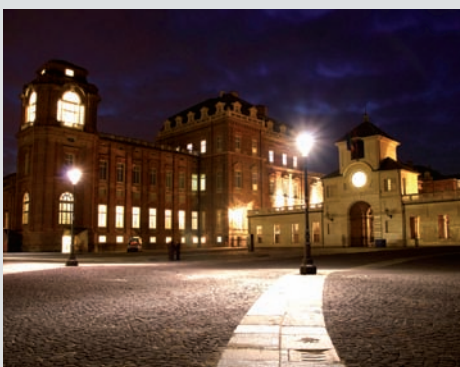
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**TORINO  
E IL PIEMONTE:  
polo tecnologico  
della meccanica  
ed anche territorio  
di cultura, storia  
e buon vivere.**

*TURIN AND  
PIEDMONT:  
Technological hub  
for mechanical industry  
and a land of culture,  
history and good life.*



# Customer Service

0039-0124-818001 (int. 206) - customerservice@ufs.it

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Elisabetta Doglietto - Avanzamento ordini *Orders progress*  
Gianfranco Viretto - Vendite Italia *National sales*  
Sonia Mana - Marketing  
Ivan Cardamone - Ufficio tecnico *Technical office*  
Alex Marco - Ufficio qualità *Quality office*  
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## IL "CARATTERE" UFS UFS CHARACTER

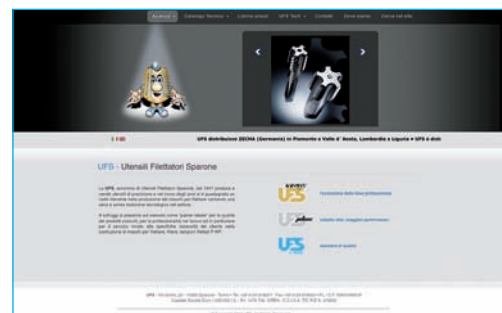
Un maschio per ogni impiego  
Standard e speciale: sulle esigenze del cliente  
Partner affidabile per collaborazioni serie e durature  
Costruiamo utensili per filettare dal 1947  
Costante innovazione: R&D in UFS Technology  
Il prodotto: preciso, affidabile, curato e tutto by UFS  
Forte espansione sui mercati esteri  
Qualità certificata... ma non solo dal Certificatore  
Il prezzo è importante... e lo sappiamo!  
Alla data prevista il corriere consegna!  
Il cliente UFS non è mai lasciato solo

*A tap for every application  
Standard and tailor-made special as per customer requests  
Partner for a reliable and lasting cooperation  
We have been manufacturing threading tools since 1947  
Steady innovation: R&D in UFS Technology  
The product: precise, reliable, accurate, all made by UFS  
Great expansion in export markets  
Certified quality... but not only by the certifier  
The price is important ...and we know it!  
Goods are delivered punctually on the given date  
UFS customers are never left alone*

## WWW.UFS.IT

Un sito web dinamico in costante aggiornamento sia in termini di contenuti che di funzionalità interattive a disposizione di clienti e collaboratori.

*A dynamic website is constantly updated in terms of content and interactive functionality available to customers and employees.*



## DISTRIBUZIONE DISTRIBUTION

La UFS persegue l'indirizzo di forte espansione verso i mercati esteri. È già presente con distributori in Europa, Russia, Sud Est Asiatico, Australia e Sud America. In Italia opera tramite rivenditori ed è presente presso i maggiori costruttori in ambito automotive ed aeronautico.

*UFS company is expanding the sales aggressively on the export. We are already present with distributors located in Europe, Russia, South East Asia, China, Australia and South America. In Italy we act with distributors and we are supplier to the major producers in automotive and aerospace fields.*



## FILETTO

Buongiorno, mi presento: mi chiamo Filetto!  
Guardatemi con simpatia... potrei esservi utile.

*Hy, I am Filetto!*

*let's be friend... I could be useful.*









# METODO DI COSTRUZIONE DEL CODICE UFS

## METHOD OF FAST CONSTRUCTION OF THE UFS' CODE

<b>E</b>	<b>24</b>	<b>M</b>	<b>...</b>	<b>AZ</b>	<b>-</b>	<b>T</b>
Materiale del maschio	Tipo di scanalatura	Tipo di filettatura del maschio	Spazio per l'indicazione del diametro	Particolari tecnici aggiuntivi del maschio	-	Tipo di trattamento o rivestimento superficiale
<i>Tap's steel</i>	<i>Flute's type</i>	<i>Threading type</i>	<i>Diameter's location</i>	<i>Technical added information</i>	-	<i>Tap's coating or treatment surface</i>

## FILETTATURE THREADS

## SPIEGAZIONE SIMBOLI UFS UFS' SYMBOLS CHART

<b>M</b>	<b>LH</b>	Filettatura sinistra <i>Left hand thread</i>	
<b>MF</b>	<b>AZ</b>	Filetti alternati <i>Interrupted threads</i>	
<b>UNC</b>	<b>X</b>	Applicazione per INOX <i>For stainless steel application</i>	
<b>UNF</b>	<b>OT</b>	Applicazione specifica per OTTONE <i>Specific application for BRASS</i>	
<b>UNEF</b>	<b>AL</b>	Applicazione specifica per Alluminio <i>Specific application for Aluminium</i>	
<b>UNS</b>	<b>NI</b>	Applicazione specifica per Nichel <i>Specific application for Nickel</i>	
<b>8-UN</b>	<b>FOR</b>	Lubrificazione interna con uscita assiale <i>Through coolant, axial flow</i>	
<b>12-UN</b>	<b>FORY</b>	Lubrificazione interna con uscita radiale <i>Through coolant, radial flow</i>	
<b>16-UN</b>	<b>SP</b>	Senza punta anteriore <i>Without centre male</i>	
<b>20-UN</b>	<b>SR</b>	Maschiatura rigida sincronizzata <i>Rigid tapping Synchro</i>	
<b>28-UN</b>			
<b>32-UN</b>			
<b>GAS</b>			
<b>Rp</b>			
<i>new</i> <b>NPSM</b>			
<i>new</i> <b>NPSF</b>			
<b>Rc</b>			
<b>NPT</b>			
<b>NPTF</b>			
<b>BSW</b>			
<b>PG</b>			
<b>Tr</b>			
<i>new</i> <b>Rd</b>			
<i>new</i> <b>EGM</b>			



Vuoi il tuo logo sul maschio? Ne possiamo parlare...

Wishing an OEM or Private Label brand on your taps?  
Just ask, we can talk about it...

# CLASSI DI MATERIALI PER MASCHI STANDARD

## MATERIAL'S TYPE FOR STANDARD TAPS

Acciai super rapidi <i>High speed steel</i>				Acciai sinterizzati da polveri <i>Powdered metallurgy high speed steel</i>		Metallo duro <i>Solid carbide</i>
<b>HSS</b>	<b>HSSE</b>	<b>HSSV3</b>	<b>HSSP 8%Co</b>	<b>PM3</b>	<b>PM1</b>	<b>MDI/HM</b>
	R < 850 <i>N/mm<sup>2</sup></i>	R < 1000 <i>N/mm<sup>2</sup></i>	R < 1000 <i>N/mm<sup>2</sup></i>	R < 1600 N/mm <sup>2</sup> / 49 HRC		45÷62 HRC



Gestione acciai con magazzino automatico verticale  
*Automatic load system for steels' storage*

# TIPI DI SCANALATURA

## FLUTE'S TYPE

<b>20</b>	Tagli Diritti (DIN 371) <i>Straight flutes</i>	<b>40</b>	Elica 15° dx (DIN 371) <i>Spiral flutes 15° R</i>	<b>60</b>	Elica 40° dx (DIN 371) <i>Spiral flutes 40° R</i>
<b>21</b>	Tagli Diritti (DIN 376) <i>Straight flutes</i>	<b>41</b>	Elica 15° dx (DIN 376) <i>Spiral flutes 15° R</i>	<b>61</b>	Elica 40° dx (DIN 376) <i>Spiral flutes 40° R</i>
<b>24</b>	Imbocco Corretto (DIN 371) <i>Spiral pointed</i>	<b>42</b>	Elica 10° - 15° dx per Ti e Ni (DIN 371) <i>Spiral flutes 15° R for Ti and Ni</i>	<b>70</b>	Elica 45° dx per Alluminio (DIN 371) <i>Spiral flutes 45° R for Aluminium</i>
<b>25</b>	Imbocco Corretto (DIN 376) <i>Spiral pointed</i>	<b>43</b>	Elica 10° - 15° dx per Ti e Ni (DIN 376) <i>Spiral flutes 15° R for Ti and Ni</i>	<b>71</b>	Elica 45° dx per Alluminio (DIN 376) <i>Spiral flutes 45° R for Aluminium</i>
<b>26</b>	Tagli diritti per GHISA (DIN 371) <i>Straight flutes for cast iron</i>	<b>50</b>	Elica 15° sinistra (DIN 371) <i>Spiral flutes 15° LH</i>	<b>80</b>	El 40° dx, rastremazione posteriore (DIN371) <i>Spiral flutes 40° R, back tapered tread</i>
<b>27</b>	Tagli diritti per GHISA (DIN 376) <i>Straight flutes for cast iron</i>	<b>51</b>	Elica 15° sinistra (DIN 376) <i>Spiral flutes 15° LH</i>	<b>81</b>	El 40° dx, rastremazione posteriore (DIN376) <i>Spiral flutes 40° R, back tapered tread</i>
<b>28</b>	Elica 25° dx (DIN 371) <i>Spiral flutes 25° R</i>	<b>52</b>	Elica 10° - 15° sin. per Ti e Ni (DIN 371) <i>Spiral flutes 15° LH for Ti and Ni</i>	<b>82</b>	Elica 45° - 48° dx (DIN 371) <i>Spiral flutes 45° - 48° R</i>
<b>29</b>	Elica 25° dx (DIN 376) <i>Spiral flutes 25° R</i>	<b>53</b>	Elica 10° - 15° sin. per Ti e Ni (DIN 376) <i>Spiral flutes 15° LH for Ti and Ni</i>	<b>83</b>	Elica 45° - 48° dx (DIN 376) <i>Spiral flutes 45° - 48° R</i>

# LINEE PRODOTTI

## PRODUCTS LINES



Universal



HR



INOX  
*Stainless steel*



Al-Cu-Fe



Ghisa  
*Cast iron*



Ti



Ni

**SR**

Synchro RIGID

**MDI-HR**

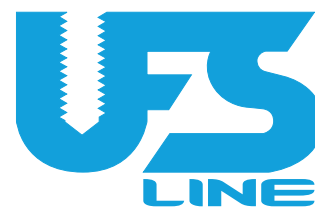
Metallo duro  
*Solid Carbide*

**X-SERIES**

Rullare  
*Roll form taps*



Uso generale  $R < 1000 \text{ N/mm}^2$ , acciaio HSSP 8%Co  
*General purpose  $R < 1000 \text{ N/mm}^2$ , HSSP steel 8%Co*



Linea standard HSSE, HSS  
*Standard line HSSE, HSS*

# CAMPI APPLICATIVI

## APPLICATION FIELD

<b>N</b>	<b>USO GENERALE</b> <i>General purpose</i>
<b>N</b>	<b>USO GENERALE <math>R \leq 1000\text{N/mm}^2</math></b> <i>General purpose <math>R \leq 1000\text{N/mm}^2</math></i>
<b>U</b>	<b>APPLICAZIONI UNIVERSALI <math>R \leq 1200\text{ N/mm}^2</math></b> <i>Universal Applications <math>R \leq 1200\text{ N/mm}^2</math></i>
<b>HR</b>	<b>ALTA RESISTENZA</b> <i>High Resistance</i>

<b>INOX</b>	<b>ACCIAIO INOSSIDABILE</b> <i>Stainless steel</i>
-------------	---

<b>GG</b>	<b>GHISA</b> <i>Cast Iron</i>
-----------	----------------------------------

<b>Al-Cu-Fe</b>	<b>ALLUMINIO, RAME, ACCIAIO <math>R \leq 700\text{ N/mm}^2</math></b> <i>Aluminium, Cooper, Steel <math>R \leq 700\text{ N/mm}^2</math></i>
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<b>OT</b>	<b>OTTONE E BRONZO</b> <i>Brass and Bronze</i>
-----------	---

<b>Ti</b>	<b>TITANIO</b> <i>Titanium</i>
-----------	-----------------------------------

<b>Ni</b>	<b>NICHEL</b> <i>Nickel</i>
-----------	--------------------------------

<b>SYNCHRO RIGID</b>	<b>MASCHIATURA RIGIDA SINCRONIZZATA</b> <i>Rigid Tapping Synchro</i>
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<b>MDI-HR</b>	<b>METALLO DURO INTEGRALE - ALTA RESISTENZA</b> <i>Integral hard metal - high resistance</i>
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<b>P - SERIES</b>	<b>MASCHI A RULLARE</b> <i>Roll form taps</i>
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<b>X - SERIES</b>	<b>MASCHI A RULLARE</b> <i>Roll form taps</i>
-------------------	--

<b>MDI -SERIES</b>	<b>MASCHI A RULLARE</b> <i>Roll form taps</i>
--------------------	--

Maschi a mano, serie 3 pezzi Hand taps 3 pieces set			Maschi a mano, serie 2 pezzi Hand taps 2 pieces set		Maschi a mano sinistri LH, serie 3 pezzi Hand taps 3 pieces set - Left LH			Maschi a mano sin., 2 pezzi Hand taps 2 pieces set - Left LH		Maschi a mano per INOX Hand taps 3 pieces set - Stainless steel			...
01...	02...	03...	01...	03...	01...LH	02...LH	03...LH	01...LH	03...LH	01...X-VS	02...X-VS	03...X-VS	10FC...
LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE new	LINE new	LINE new	LINE
00...			00...		00...LH			00...LH		00...X-VS			
					LH	LH	LH						
2-3	2-3	2-3			4	4	4			5	5	5	6
			82-84	82-84				85	85				
150	150	150	166	166									
			190	190									
218	218	218											
A (5-6)	D (4-5)	C (2-3)	A (5-6)	C (2-3)	A (5-6)	D (4-5)	C (2-3)	A (5-6)	C (2-3)	A (5-6)	D (4-5)	C (2-3)	C (2-3)
HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSSE
Br	Br	Br	Br	Br	Br	Br	Br	Br	Br	VS	VS	VS	Br
N	N	N	N	N	N	N	N	N	N	INOX	INOX	INOX	N
2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	1,5xD
1.1	■		■		■			■		■			■ 10-15
1.2	■		■		■			■		■			■ 10-15
1.3	■		■		■			■		■			■ 10-12
1.4	■		■		■			■		■			○ 8-10
1.5											○		
1.6													
1.7													
1.8													
2.1	■		■		■			■		■			
2.2	○		○		○			○		○			
2.3	○		○		○			○		○			
2.4													
3.1	○		○		○			○		○			
3.2											○		
3.3											○		
3.4	○		○		○			○		○			
3.5													
4.1	■		■		■			■		■			
4.2	■		■		■			■		■			
4.3	■		■		■			■		■			
4.4	○		○		○			○		○			
4.5													
4.6													
5.1	■		■		■			■		■			
5.2	■		■		■			■		■			
5.3	○		○		○			○		○			
5.4													
6.1													
6.2													
6.3													
7.1													
7.2													
7.3													
8.1													
8.2													
8.3													
9.1													
9.2													
9.3													
10.1													

...Maschi per dadi ... Taps for nuts		Maschi scanalature diritte per OTTONE Straight flutes taps for BRASS				Maschi scanalature diritte Straight flutes taps			Maschi scanalature diritte sinistri LH Straight flutes taps - left LH			Maschi con filetti alternati AZ... Interrupted threads taps AZ...	
10FP...	12FP...	LANCIA...	LANCIA...NC	E20...OT	E20...OT-CT	E20/E21...	E20/E21...V	E20/E21...T	E20/E21...LH	E20/E21...LH-V	E20/E21...LH-T	E20/E21...AZ	E20/E21...AZ-V
LINE	LINE	LINE new	LINE new	LINE new	LINE new	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE
6	6	Ms58	Ms58	7	7	8-9	8-9	8-9	LH	LH	LH	AZ	AZ
						86-92		86-88			93		
						151		151					
						167		167					
						182		182					
						185		185					
						186		186					
						187		187					
						191, (204 Rp)		191, (204 Rp)					
						206		206					
						207		207					
						219		219					
						222 (PG)		222 (PG)					
						230		230					
20xP	6-8xP	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
Br	Br	Br	CrN	Br	TiCN	Br	V	TiN	Br	V	TiN	Br	V
N	N	OT	OT	OT	OT	N	N	N	N	N	N	Al-Cu-Fe	Al-Cu-Fe
1,5xD	3xD	3xD	3xD	3xD	3xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD
1.1	■ 10-15	■ 10-15				○ 10-15	■ 10-15	■ 20-30	○ 10-15	■ 10-15	■ 20-30	■ 10-15	■ 10-15
1.2	■ 10-15	■ 10-15				■ 10-15	■ 10-15	■ 20-30	■ 10-15	■ 10-15	■ 20-30	■ 10-15	■ 10-15
1.3	■ 10-12	■ 10-12				■ 10-12	■ 10-12	■ 20-25	■ 10-12	■ 10-12	■ 20-25	■ 10-12	■ 10-12
1.4	○ 8-10	○ 8-10				○ 8-10	○ 8-10	■ 15-20	○ 8-10	○ 8-10	■ 15-20		
1.5													
1.6													
1.7													
1.8													
2.1													
2.2													
2.3													
2.4													
3.1													
3.2													
3.3													
3.4						○ 8-10	○ 8-10	○ 15-20	○ 8-10	○ 8-10	○ 15-20		
3.5													
4.1												○ 10-15	○ 10-15
4.2						○ 15-20	○ 15-20	○ 25-30	○ 15-20	○ 15-20	○ 25-30	■ 15-20	■ 15-20
4.3						○ 10-15	○ 10-15	○ 20-25	○ 10-15	○ 10-15	○ 20-25		
4.4													
4.5													
4.6													
5.1												○ 8-12	○ 8-12
5.2						○ 10-15	○ 10-15	○ 20-25	○ 10-15	○ 10-15	○ 20-25	■ 10-15	■ 10-15
5.3			■ 15-20	■ 25-30	■ 15-20	■ 25-30	○ 15-20	○ 15-20	○ 25-30	○ 15-20	○ 15-20	○ 25-30	○ 25-30
5.4													
6.1													
6.2													
6.3													
7.1													
7.2													
7.3													
8.1												○ 20-25	○ 20-25
8.2			○ 8-10	○ 10-15	○ 8-10	○ 10-15	○ 8-10	○ 8-10	○ 10-15	○ 8-10	○ 10-15		
8.3			○ 3-5	○ 6-10	○ 3-5	○ 6-10							
9.1													
9.2													
9.3													
10.1													

...	Maschi scanalature diritte per GHISA – HSSE Straight flutes taps for CAST IRON - HSSE					Maschi scanalature diritte per GHISA-PM3 Straight flutes taps for CAST IRON – PM3			Maschi scanalature diritte per GHISA imb.E-PM3 Straight flutes taps for CAST IRON – chamfer E			Maschi SYNCHRO Synchro taps		
E20/E21...AZ-TXC	E26/E27...NQ	E26/E27...NS	E26/E27...FOR-NS	E26/E27...FOR-CT	K26/K27...TX	K26/K27...FOR-TX	K26/K27...FOR-TX	K26/K27E...TX	K26/K27E...FOR-TX	K26/K27E...FOR-TX	S20...TXC	S20...FOR-TX	S20...FOR-TX	
TOP new	LINE	LINE	LINE	LINE	TOP	TOP	TOP new	TOP	TOP	TOP new	TOP new	TOP new	TOP new	
AZ 11	12-13	12-13	12-13	12-13	14	14	14	15	15	15	SR 16	SR 16	SR 16	
	94-95	94-95		94-95	96	96	96	97	97	97	98	98	98	
	152 168	152 168			152 168	152 168								
	192	192			192	192								
C (2-3) HSSE TXC Al-Cu-Fe 1,5xD	C (2-3) HSSE NQ GG 3xD	C (2-3) HSSE NS GG 3xD	C (2-3) HSSE NS GG 3,5xD	C (2-3) HSSE TiCN GG 3,5xD	C (2-3) PM3 TiAlN GG 3xD	C (2-3) PM3 TiAlN GG 3,5xD	C (2-3) PM3 TiAlN GG 3,5xD	E (2-3) PM3 TiAlN GG 3xD	E (2-3) PM3 TiAlN GG 3,5xD	E (2-3) PM3 TiAlN GG 3,5xD	C (2-3) PM3 TXC Synchro R 3xD	C (2-3) PM3 TXC Synchro R 3,5xD	C (2-3) PM3 TXC Synchro R 3,5xD	
1.1 ■ 20-30														
1.2														
1.3														
1.4														
1.5											○ 10-15	○ 10-15	○ 10-15	
1.6											■ 8-10	■ 8-10	■ 8-10	
1.7														
1.8														
2.1														
2.2														
2.3														
2.4														
3.1	■ 10-15	■ 20-25	■ 20-25	■ 20-25	■ 25-30	■ 25-30	■ 25-30	■ 20-25	■ 20-25	■ 20-25	■ 25-30	■ 25-30	■ 25-30	
3.2	■ 8-10	■ 15-20	■ 15-20	■ 15-20	■ 20-25	■ 20-25	■ 20-25	■ 15-20	■ 15-20	■ 15-20	■ 20-25	■ 20-25	■ 20-25	
3.3	○ 8-10	○ 15-20	○ 15-20	○ 15-20	○ 20-25	○ 20-25	○ 20-25	○ 15-20	○ 15-20	○ 15-20	○ 20-25	○ 20-25	○ 20-25	
3.4	○ 10-15	○ 20-25	○ 20-25	○ 20-25	○ 25-30	○ 25-30	○ 25-30	○ 20-25	○ 20-25	○ 20-25	○ 25-30	○ 25-30	○ 25-30	
3.5	○ 8-10	○ 15-20	○ 15-20	○ 15-20	■ 20-25	■ 20-25	■ 20-25	■ 15-20	■ 15-20	■ 15-20	■ 20-25	■ 20-25	■ 20-25	
4.1 ○ 20-25														
4.2 ■ 25-30														
4.3 ○ 15-20	○ 30-40	○ 30-40	○ 30-40	○ 30-40							○ 30-40	○ 30-40	○ 30-40	
4.4 ■ 10-15	■ 25-30	■ 25-30	■ 25-30	■ 25-30	○ 25-30	○ 25-30	○ 25-30	○ 25-30	○ 25-30	○ 25-30	■ 25-30	■ 25-30	■ 25-30	
4.5 ■ 10-15	○ 20-30	○ 20-30	■ 20-30	■ 20-30							■ 30-40	■ 30-40	■ 30-40	
4.6 ■ 10-15	○ 20-30	○ 20-30	■ 20-30	■ 20-30							■ 30-40	■ 30-40	■ 30-40	
5.1 ○ 15-20														
5.2 ■ 20-25														
5.3 ■ 18-20	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 35-40	■ 35-40	■ 35-40	
5.4					○ 5-8	○ 5-8	○ 5-8				○ 8-10	○ 8-10	○ 8-10	
6.1														
6.2														
6.3														
7.1														
7.2														
7.3														
8.1 ○ 25-30														
8.2 ■ 8-10	■ 10-15	■ 10-15	■ 10-15	■ 10-15							■ 20-25	■ 20-25	■ 20-25	
8.3											■ 10-15	■ 10-15	■ 10-15	
9.1														
9.2														
9.3														
10.1	○ 10-15	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 20-25	○ 20-25	○ 20-25	







...	Maschi elicoidali 15° per fori ciechi Spiral flutes taps 15° for blind holes						Maschi elicoidali 15° Al-Cu-Fe Spiral flutes taps 15° for Al-Cu-Fe			Maschi elicoidali 15° in acciaio HSSP 8% Co Spiral flutes taps 15°, HSSP steel 8%Co			
K52...NI-CT	E40/E41...	E40/E41...V	E40/E41...T	E40/E41...XP	E40/E41...FOR	E40/E41...FOR-T	E40/E41...AZ	E40/E41...AZ-V	E40/E41...NC	P40/P41...	P40/P41...V	P40/P41...T	P40/P41...CT
TOP new	LINE	LINE	LINE	LINE new	LINE	LINE	LINE	LINE	LINE new	PLUS	PLUS	PLUS	PLUS
Ni	R15°	R15°	R15°	R15°	R15°	R15°	AZ	AZ	Cu	R15°	R15°	R15°	R15°
L10°	36-37	36-37	36-37	36-37	36-37	38	R15°	R15°	R15°	42	42	42	42
35	39	39	39	39	39	38	41	41	41	42	42	42	42
114	115-117	115-117	115-117	115-117	118	118				119	119	119	119
	157	157	157	157									
	173	173	173	173									
	197	197	197										
D (4-5)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
PM3	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
TiCN	Br	V	TiN	XP	Br	TiN	Br	V	CrN	Br	V	TiN	TiCN
Ni	N	N	N	N	N	N	Al-Cu-Fe	Al-Cu-Fe	Al-Cu-Fe	N	N	N	N
3xD	1,5xD	1,5xD	1,5xD	1,5xD	2,5xD	2,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD
1.1	○ 10-15	■ 10-15	■ 20-30	■ 20-30	○ 10-15	■ 20-30	■ 10-15	■ 10-15	■ 20-30	○ 10-15	■ 10-15	■ 20-30	■ 20-30
1.2	■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 10-15	■ 20-30	■ 20-30	■ 20-30	■ 20-30	■ 10-15	■ 10-15	■ 20-30	■ 20-30
1.3	■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 10-12	■ 20-25	■ 20-25	■ 20-25	■ 20-25	■ 10-12	■ 10-12	■ 20-25	■ 20-25
1.4	○ 8-10	○ 8-10	■ 15-20	■ 15-20	○ 8-10	■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 8-10	■ 8-10	■ 15-20	■ 15-20
1.5												○ 5-12	○ 5-12
1.6	■ 5-8												
1.7													
1.8													
2.1													
2.2													
2.3													
2.4													
3.1													
3.2													
3.3			○ 10-15	○ 10-15	○ 10-15	○ 10-15						○ 10-15	○ 10-15
3.4			■ 15-20	■ 15-20	■ 15-20	■ 15-20						■ 15-20	■ 15-20
3.5													
4.1	○ 10-15	■ 10-15	○ 20-25	○ 20-25	○ 10-15	○ 20-25	○ 10-15	○ 10-15	■ 15-20	○ 10-15	■ 10-15	○ 20-25	■ 25-30
4.2	■ 15-20	■ 15-20	■ 25-30	■ 25-30	■ 15-20	■ 25-30	■ 15-20	■ 15-20	■ 20-25	■ 15-20	■ 15-20	■ 25-30	■ 25-30
4.3			○ 20-25	○ 20-25	○ 20-25	○ 20-25						○ 20-25	○ 20-25
4.4													
4.5													
4.6													
5.1	○ 8-12	■ 8-12	○ 15-20	■ 20-25	○ 8-12	○ 15-20	○ 8-12	○ 8-12	■ 15-20	○ 8-12	■ 8-12	○ 15-20	■ 20-25
5.2	○ 10-15	■ 10-15	■ 20-25	■ 20-25	○ 10-15	■ 20-25	■ 10-15	■ 10-15	■ 20-25	○ 10-15	■ 10-15	■ 20-25	■ 20-25
5.3													
5.4	■ 5-8												
6.1		○ 5-8					○ 5-8	○ 5-8			○ 5-8		
6.2													
6.3													
7.1		○ 6-8					○ 6-8	○ 6-8			○ 6-8		
7.2	■ 2-4												
7.3													
8.1							○ 20-25	○ 20-25					
8.2													
8.3													
9.1	■ 3-5												
9.2													
9.3													
10.1													

Maschi elicoidali 15° HR Spiral flutes taps 15° - HR		Maschi elicoidali 15° Titanio Spiral flutes taps 15° - Titanium			Maschi elicoidali 10° Nichel Spiral flutes taps 10° - Nickel			Maschi elicoidali 40° Spiral flutes taps 40°						
K40/K41...TXC	K40/K41...FOR-TXC	K42/K43...V	K42/K43...CT	K28/K29...AZ-V	K42...Ni	K42...Ni-CT	K28/K29...V	E60/E61...	E60/E61...V	E60/E61...T	E60/E61...TXC	E60/E61...FOR	E60/E61...FOR-T	
TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	LINE	LINE	LINE	LINE new	LINE	LINE	
		Ti	Ti	Ti-AZ	Ni	Ni	Ni							
R15°	R15°	R15°	R15°	R15°	R10°	R10°	R25°	R40°	R40°	R40°	R40°	R40°	R40°	
43	43	44	44	44	45	45	45	46-47	46-47	46-47	46-47 (TXC)	48	48	
		44			45			50			50			
								50			50			
								51			51			
		120	120		121	121		122-126	122-126	122-126	122-126(TXC)	127	127	
		120			121			129						
								129						
		158	158					159	159	159	159			
		174	174					175	175	175	175			
								184			184			
								198	198	198	198			
								221	221	221	221			
								232			232			
C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	
PM3	PM3	PM3	PM3	PM	PM3	PM3	PM	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	
TXC	TXC	V	TiCN	V	Br	TiCN	V	Br	V	TiN	TXC/XP	Br	TiN	
HR	HR	Ti	Ti	Ti	Ni	Ni	Ni	N	N	N	N	N	N	
1,5xD	2,5xD	1,5xD	1,5xD	2,5xD	1,5xD	1,5xD	2,5xD	2,5xD	2,5xD	2,5xD	2,5xD	2,5xD	3xD	
1.1								○ 10-15	■ 10-15	■ 20-30	■ 20-30	○ 10-15	■ 20-30	
1.2								■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 10-15	■ 20-30	
1.3								■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 10-12	■ 20-25	
1.4								○ 8-10	○ 8-10	■ 15-20	■ 15-20	○ 8-10	■ 15-20	
1.5	■ 5-12	■ 5-12												
1.6	■ 5-8	■ 5-8		■ 5-8			■ 5-8							
1.7														
1.8														
2.1														
2.2											○ 10-15			
2.3											○ 8-10			
2.4				■ 6-8										
3.1														
3.2														
3.3	■ 15-20	■ 15-20		■ 15-20						○ 10-15	○ 10-15		○ 10-15	
3.4	■ 20-25	■ 20-25		■ 20-25						■ 15-20	■ 15-20		■ 15-20	
3.5														
4.1								○ 10-15	■ 10-15	○ 20-25	○ 20-25	○ 10-15	○ 20-25	
4.2								■ 15-20	■ 15-20	■ 25-30	■ 25-30	■ 15-20	■ 25-30	
4.3										○ 20-25	○ 20-25		○ 20-25	
4.4	○ 25-30	○ 25-30		○ 25-30										
4.5	■ 20-30	■ 20-30												
4.6	■ 20-30	■ 20-30												
5.1								○ 8-12	■ 8-12	○ 15-20		○ 8-12	○ 15-20	
5.2								○ 10-15	■ 10-15	■ 20-25	■ 20-25	○ 10-15	■ 20-25	
5.3	■ 25-30	■ 25-30		■ 25-30										
5.4				○ 5-8			■ 5-8							
6.1			■ 5-10	■ 5-10										
6.2				■ 4-8	■ 4-8									
6.3				■ 2-4										
7.1														
7.2				■ 2-4		■ 2-4	■ 6-8							
7.3							■ 2-4							
8.1							■ 2-3							
8.2														
8.3														
9.1														
9.2				■ 1-2			■ 3-5							
9.3														
10.1							■ 2-3							









...	Maschi a rullare con canali – PM3 Roll taps with oil groove - PM3				Maschi a rullare con canali e foro di lub. Roll taps with oil groove - int. coolant supply			Maschi a rullare imbocco E Roll taps chamfer E			Maschi a rullare MDI Roll taps hard material HM		Maschi conici CORTI Taps tapered shorts	
	X2SC...CT	X2CC...NC	X2CC...TG	X2CC...CT	X2CC...TXC	X2CC...FOR-TG	X2CC...FOR-TG	X2SCE...TG	X2CCE...TG	X2CCE...FOR-TG	HM2SC...FOR-T	HM2CC...FOR-T	E21C...	E21C...VS
	TOP	TOP new	TOP	TOP	TOP new	TOP	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	LINE	LINE new
		Al, Cu, Fe												
	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	con1:16	con1:16
	74	75	75	75	76	76	76	77	77	77	78	78		
			75 new											
			144		145	145	145	146	146	146				
			144											
			202			202								
													210	210
													212	212
													214	214
	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	E (1,5-2)	E (1,5-2)	E (1,5-2)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	MDI/HM	MDI/HM	HSSE	HSSE
	TiCN	CrN	TiN-G	TiCN	TXC	TiN-G	TiN-G	TiN-G	TiN-G	TiN-G	TiN	TiCN	Br	VS
	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	-	-
1.1	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-50	■ 30-50	○ 3-5	○ 3-5
1.2	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-50	■ 30-50	■ 3-5	■ 3-5
1.3	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-45	■ 30-45	■ 5-7	■ 5-7
1.4	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 30-40	■ 30-40	○ 4-6	■ 4-6
1.5	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 20-30	○ 20-30		
1.6														
1.7														
1.8														
2.1	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 20-25	■ 20-25		○ 3-5
2.2	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 15-20	■ 15-20		○ 2-4
2.3	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 10-15	■ 10-15		■ 2-3
2.4	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 10-15	○ 10-15		
3.1														○ 5-7
3.2														○ 3-5
3.3														■ 3-5
3.4														○ 5-7
3.5														■ 5-7
4.1	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 40-50	■ 40-50		
4.2	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 50-60	■ 50-60	○ 10-15	○ 10-15
4.3	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 40-50	■ 40-50	○ 10-15	■ 10-15
4.4														○ 6-8
4.5														
4.6														
5.1	○ 15-20	■ 15-20	○ 15-20	○ 15-20	■ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 30-40	○ 30-40		
5.2	○ 15-20	■ 15-20	○ 15-20	○ 15-20	■ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 30-40	○ 30-40		
5.3													○ 8-12	■ 8-12
5.4														
6.1		■ 10-20												
6.2														
6.3														
7.1	■ 15-20		■ 15-20	■ 15-20		■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 30-35	■ 30-35		
7.2	○ 5-8		○ 5-8	○ 5-8		○ 5-8	○ 5-8	○ 5-8	○ 5-8	○ 5-8	○ 10-15	○ 10-15		
7.3														
8.1														
8.2														
8.3														
9.1														
9.2														
9.3														
10.1														





# INDICE PRODOTTI

## PRODUCTS INDEX

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00M		1	002-003	Line	E24M...TZ	15	026	Line	E41M...AZ	23	041	Line											
00M...LH		2	004	Line	E24M...V	11	020	Line	E41M...AZ-V	23	041	Line											
00M...X-VS		3	005	Line	E25M...X-V	18	032	Line	E41M...FOR	21	038	Line											
01M		1	002-003	Line	E25M...	11	021	Line	E41M...FOR-T	21	038	Line											
01M...LH		2	004	Line	E25M...+0,1	14	024	Line	E41M...NC	24	041	Line											
01M...X-VS		3	005	Line	E25M...4H	12	023	Line	E41M...T	21	037	Line											
02M		1	002-003	Line	E25M...-6G	13	023	Line	E41M...T+0,1	23	040	Line											
02M...LH		2	004	Line	E25M...-7G	13	024	Line	E41M...T-4H	22	039	Line											
02M...X-VS		3	005	Line	E25M...AL-TXC	15	026	Top	E41M...T-6G	22	039	Line											
03M		2	002-003	Line	E25M...AL-VS	14	026	Line	E41M...T-7G	23	040	Line											
03M...LH		2	004	Line	E25M...AZ	15	027	Line	E41M...TZ	23	041	Line											
03M...X-VS		3	005	Line	E25M...AZ-TXC	15	027	Top	E41M...V	21	037	Line											
10FCM...		3	006	Line	E25M...AZ-TZ	15	027	Line	E41M...XP	21	037	Line											
10FPM...		3	006	Line	E25M...LH	12	022	Line	E50M...	18	033	Line											
12FPM...		3	006	Line	E25M...LH-T	12	022	Line	E50M...V	19	033	Line											
E20M...		4	008	Line	E25M...LH-V	12	022	Line	E50M...XP	19	033	Line											
E20M...AZ		6	011	Line	E25M...NC	15	027	Line	E51M...	19	033	Line											
E20M...AZ-TXC		6	011	Top	E25M...T	11	021	Line	E51M...V	19	033	Line											
E20M...AZ-V		6	011	Line	E25M...T+0,1	14	024	Line	E51M...XP	19	033	Line											
E20M...LH		5	010	Line	E25M...T-4H	13	023	Line	E60M...CP-T	27	046	Line											
E20M...LH-T		6	010	Line	E25M...T-6G	13	023	Line	E60M...CP-TXC	27	046	Line											
E20M...LH-V		6	010	Line	E25M...T-7G	13	024	Line	E60M...CP-V	27	046	Line											
E20M...-OT		4	007	Line	E25M...TXC	12	021	Line	E60M...	26	046	Line											
E20M...-OT-CT		4	007	Line	E25M...TZ	15	026	Line	E60M...+0,1	30	051	Line											
E20M...SP		4	008	Line	E25M...V	11	021	Line	E60M...-4H	29	050	Line											
E20M...SP-T		5	008	Line	E26M...FOR-CT	7	012	Line	E60M...6G	29	050	Line											
E20M...SP-V		4	008	Line	E26M...FOR-NS	7	012	Line	E60M...-7G	30	051	Line											
E20M...T		5	008	Line	E26M...NQ	7	012	Line	E60M...CP	26	046	Line											
E20M...V		4	008	Line	E26M...NS	7	012	Line	E60M...FOR	28	048	Line											
E21M		5	009	Line	E26M...SP-NQ	7	012	Line	E60M...FOR-T	28	048	Line											
E21M...AZ		6	011	Line	E26M...SP-NS	7	012	Line	E60M...FOR-TXC	28	048	Line											
E21M...AZ-TXC		6	011	Top	E27M...FOR-CT	7	013	Line	E60M...LH	28	049	Line											
E21M...AZ-V		6	011	Line	E27M...FOR-NS	7	013	Line	E60M...LH-V	29	049	Line											
E21M...LH		5	010	Line	E27M...NQ	7	013	Line	E60M...LH-XP	29	049	Line											
E21M...LH-T		6	010	Line	E27M...NS	7	013	Line	E60M...NC	32	055	Line											
E21M...LH-V		6	010	Line	E27M...SP-NQ	7	013	Line	E60M...T	27	046	Line											
E21M...T		5	009	Line	E27M...SP-NS	7	013	Line	E60M...TXC	27	046	Line											
E21M...V		5	009	Line	E40M...	20	036	Line	E60M...V	27	046	Line											
E24M...X-V		18	032	Line	E40M...+0,1	23	040	Line	E60M...XP+0,1	30	051	Line											
E24M...		10	020	Line	E40M...-4H	22	039	Line	E60M...XP-4H	29	050	Line											
E24M...+0,1		14	024	Line	E40M...-6G	22	039	Line	E60M...XP-6G	30	050	Line											
E24M...4H		12	023	Line	E40M...-7G	22	040	Line	E60M...XP-7G	30	051	Line											
E24M...-6G		13	023	Line	E40M...AZ	23	041	Line	E61M...+0,1	30	051	Line											
E24M...-7G		13	024	Line	E40M...AZ-V	23	041	Line	E61M...-4H	29	050	Line											
E24M...AL		14	026	Line	E40M...FOR	21	038	Line	E61M...6G	29	050	Line											
E24M...AL-TXC		15	026	Top	E40M...FOR-T	21	038	Line	E61M...FOR	28	048	Line											
E24M...AL-VS		14	026	Line	E40M...NC	24	041	Line	E61M...FOR-T	28	048	Line											
E24M...AZ		15	027	Line	E40M...T	20	036	Line	E61M...FOR-TXC	28	048	Line											
E24M...AZ-TXC		15	027	Top	E40M...T+0,1	23	040	Line	E61M...LH	28	049	Line											
E24M...AZ-TZ		15	027	Line	E40M...T-4H	22	039	Line	E61M...LH-V	29	049	Line											
E24M...LH		12	022	Line	E40M...T-6G	22	039	Line	E61M...LH-XP	29	049	Line											
E24M...LH-T		12	022	Line	E40M...T-7G	23	040	Line	E61M...XP+0,1	30	051	Line											
E24M...LH-V		12	022	Line	E40M...TZ	23	041	Line	E61M...XP-4H	29	050	Line											
E24M...NC		15	027	Line	E40M...V	20	036	Line	E61M...XP-6G	30	050	Line											
E24M...T		11	020	Line	E40M...XP	20	036	Line	E61M...	27	047	Line											
E24M...T+0,1		14	024	Line	E41M...	21	037	Line	E61M...-7G	30	051	Line											
E24M...T-4H		13	023	Line	E41M...+0,1	23	040	Line	E61M...NC	32	055	Line											
E24M...T-6G		13	023	Line	E41M...-4H	22	039	Line	E61M...T	28	047	Line											
E24M...T-7G		13	024	Line	E41M...-6G	22	039	Line	E61M...TXC	28	047	Line											
E24M...TXC		11	020	Line	E41M...-7G	22	040	Line	E61M...V	27	047	Line											

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E61M...XP-7G		30	051	Line	K26M...FORY-TX		8	014	Top	K83M...X-TXC		37	065	Top	L24M...		14	025	Line				
E70M...		31	054	Line	K26M...SP-TX		8	014	Top	L24M...CT		14	025	Line	L25M...		14	025	Line				
E70M...TXC		31	054	Top	K26M...TX		8	014	Top	L25M...AL		14	026	Line	L25M...CT		14	025	Line				
E70M...TZ		31	054	Line	K27EM...FOR-TX		8	015	Top	L60...CT		31	053	Line	L60M...		31	053	Line				
E70M...VS		31	054	Line	K27EM...FORY-TX		9	015	Top	L61...CT		31	053	Line	L61M...		31	053	Line				
E71M...		31	054	Line	K27EM...TX		8	015	Top	L61M...		31	053	Line	LANCIAM...		4	007	Line				
E71M...TXC		31	054	Top	K27M...FOR-TX		8	014	Top	LANCIAM...NC		4	007	Line	P24M...		16	028	Plus				
E71M...TZ		31	054	Line	K27M...FORY-TX		8	014	Top	P24M...CT		16	028	Plus	P24M...T		16	028	Plus				
E71M...VS		31	054	Line	K27M...TX		8	014	Top	P24M...V		16	028	Plus	P25M...		16	028	Plus				
E80M...X-V		37	064	Line	K28M...		36	062	Top	P25M...CT		16	028	Plus	P25M...T		16	028	Plus				
E80M...		33	058	Line	K28M...AZ-V		26	044	Top	P25M...V		16	028	Plus	P25M...V		16	028	Plus				
E80M...T		34	058	Line	K28M...CT		36	062	Top	P2CCM...		38	070	Line	P2CCM...FP		40	072	Line				
E80M...V		33	058	Line	K28M...FOR-CT		36	062	Top	P2CCM...FP-T		40	072	Line	P2CCM...LH		40	073	Line				
E80M...XP		34	058	Line	K28M...V		26	045	Top	P2CCM...LH-T		40	073	Line	P2CCM...SP		38	070	Line				
E81M...X-V		37	064	Line	K29M...		36	062	Top	P2CCM...SP-T		39	070	Line	P2CCM...SP-V		39	070	Line				
E81M...		33	058	Line	K29M...AZ-V		26	044	Top	P2CCM...T		39	070	Line	P2CCM...V		39	070	Line				
E81M...T		34	058	Line	K29M...CT		36	062	Top	P2SCM...		37	068	Line	P2SCM...FP		39	072	Line				
E81M...V		33	058	Line	K29M...FOR-CT		36	062	Top	P2SCM...FP-T		40	072	Line	P2SCM...LH		40	073	Line				
E81M...XP		34	058	Line	K29M...V		26	045	Top	P2SCM...LH-T		40	073	Line	P2SCM...SP		37	068	Line				
E82M...		34	059	Line	K40M...FOR-TXC		25	043	Top	P2SCM...SP-T		38	068	Line	P2SCM...SP-T		38	068	Line				
E82M...T		34	059	Line	K40M...HR		25	043	Top	P2SCM...SP-V		38	068	Line	P2SCM...T		38	068	Line				
E82M...V		34	059	Line	K40M...TXC		25	043	Top	P2SCM...V		38	068	Line	P2SCM...V		38	068	Line				
E82M...XP		34	059	Line	K41M...FOR-TXC		25	043	Top	P3CCM...		39	071	Line	P3CCM...SP		39	071	Line				
E83M...		34	059	Line	K41M...HR		25	043	Top	P3CCM...SP-T		39	071	Line	P3CCM...SP-T		39	071	Line				
E83M...T		34	059	Line	K41M...TXC		25	043	Top	P3CCM...SP-V		39	071	Line	P3CCM...T		38	069	Line				
E83M...V		34	059	Line	K42M...CT		25	044	Top	P3CCM...V		38	069	Line	P3SCM...		38	069	Line				
E83M...XP		34	059	Line	K42M...NI		26	045	Top	P3SCM...SP		38	069	Line	P3SCM...SP-T		38	069	Line				
HM20M...FOR		10	019	Top	K42M...NI-4HX		26	045	Top	P3SCM...SP-T		38	069	Line	P3SCM...SP-V		38	069	Line				
HM20M...FOR-CT		10	019	Top	K42M...NI-CT		26	045	Top	P3SCM...T		38	069	Line	P3SCM...V		38	069	Line				
HM21M...FOR		10	019	Top	K42M...V		25	044	Top	P40M...		24	042	Plus	P40M...CT		24	042	Plus				
HM21M...FOR-CT		10	019	Top	K42M...V-4HX		25	044	Top	P40M...CT		24	042	Plus	P40M...T		24	042	Plus				
HM2CCM...FORY-CT		42	078	Top	K43M...CT		25	044	Top	P40M...T		24	042	Plus	P40M...V		24	042	Plus				
HM2SCM...FOR-T		42	078	Top	K43M...V		25	044	Top	P41M...		24	042	Plus	P41M...CT		24	042	Plus				
HM-XT20M...CT		10	019	Top	K43M...V-4HX		25	044	Top	P41M...CT		24	042	Plus	P41M...T		24	042	Plus				
K20M...TXC		9	017	Top	K52M...CT		19	034	Top	P41M...T		24	042	Plus	P41M...V		24	042	Plus				
K21M...TXC		9	017	Top	K52M...NI		20	035	Top														
K22M...FOR-TXC		9	017	Top	K52M...NI-4HX		20	035	Top														
K22M...FORY-TXC		9	017	Top	K52M...NI-CT		20	035	Top														
K23M...FOR-TXC		9	017	Top	K52M...V		19	034	Top														
K23M...FORY-TXC		9	017	Top	K52M...V-4HX		19	034	Top														
K24M...FORY-TXC		18	031	Top	K53M...CT		19	034	Top														
K24M...XFORY-TXC		18	032	Top	K53M...V		19	034	Top														
K24M...X-TXC		18	032	Top	K53M...V-4HX		19	034	Top														
K24M...FORY-XP		17	029	Top	K80M...FOR-TXC		36	063	Top														
K24M...HR		17	031	Top	K80M...HR		36	063	Top														
K24M...TXC		17	031	Top	K80M...TXC		36	063	Top														
K24M...U		16	029	Top	K81M...FOR-TXC		36	063	Top														
K24M...XP		17	029	Top	K81M...HR		36	063	Top														
K25M...FORY-TXC		18	031	Top	K81M...TXC		36	063	Top														
K25M...XFORY-TXC		18	032	Top	K82M...FOR-XP		35	060	Top														
K25M...X-TXC		18	032	Top	K82M...FORY-XP		35	060	Top														
K25M...FORY-XP		17	029	Top	K82M...U		35	060	Top														
K25M...HR		17	031	Top	K82M...XFORY-TXC		37	065	Top														
K25M...TXC		17	031	Top	K82M...XP		35	060	Top														
K25M...U		16	029	Top	K82M...X-TXC		37	065	Top														
K25M...XP		17	029	Top	K83M...FOR-XP		35	060	Top														
K26EM...FOR-TX		8	015	Top	K83M...FORY-XP		35	060	Top														
K26EM...FORY-TX		9	015	Top	K83M...U		35	060	Top														
K26EM...TX		8	015	Top	K83M...XFORY-TXC		37	065	Top														
K26M...FOR-TX		8	014	Top	K83M...XP		35	060	Top														

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P60EM...				33	057	Plus	00MF...				43-44	082-084	Line	E60MF...V				59	122	Line			
P60EM...FOR				33	057	Plus	00MF...LH				44	085	Line	E61MF...				60-61	123-126	Line			
P60EM...FOR-XP				33	057	Plus	01MF...				43-44	082-084	Line	E61MF...+0,1				63	129	Line			
P60EM...XP				33	057	Plus	01MF...LH				44	085	Line	E61MF...-4H				63	129	Line			
P60M...				32	056	Plus	03MF...				43-44	082-084	Line	E61MF...-6G				63	129	Line			
P60M...T				32	056	Plus	03MF...LH				44	085	Line	E61MF...-7G				63	129	Line			
P60M...V				32	056	Plus	E20MF...				45	086	Line	E61MF...FOR				62	127	Line			
P60M...XP				32	056	Plus	E20MF...T				45	086	Line	E61MF...FOR-T				62	127	Line			
P61EM...				33	057	Plus	E21MF...				45-46	087-092	Line	E61MF...FOR-TXC				62	127	Line			
P61EM...FOR				33	057	Plus	E21MF...LH				46	093	Line	E61MF...LH				63	128	Line			
P61EM...FOR-XP				33	057	Plus	E21MF...LH-T				46	093	Line	E61MF...LH-T				63	128	Line			
P61EM...XP				33	057	Plus	E21MF...T				46	087-088	Line	E61MF...LH-XP				63	128	Line			
P61M...				32	056	Plus	E24MF...				49	100	Line	E61MF...NC				64	130	Line			
P61M...T				32	056	Plus	E24MF...T				49	100	Line	E61MF...T				60-61	123-126	Line			
P61M...V				32	056	Plus	E24MF...TXC				49	100	Line	E61MF...TXC				62	123-126	Line			
P61M...XP				32	056	Plus	E24MF...V				49	100	Line	E61MF...V				60-61	123-126	Line			
S20M...FOR-TXC				9	016	Top	E25MF...AL				52	106	Line	E71MF...				63	130	Line			
S20M...FORY-TXC				9	016	Top	E25MF...AL-VS				52	106	Line	E71MF...VS				63	130	Line			
S20M...TXC				9	016	Top	E25MF...				50	101-103	Line	E81MF...				64	132	Line			
S24M...FORY-TXC				17	030	Top	E25MF...+0,1				52	105	Line	E81MF...T				64	132	Line			
S24M...TXC				17	030	Top	E25MF...-4H				52	105	Line	E81MF...V				64	132	Line			
S80M...FOR-TXC				35	061	Top	E25MF...-6G				52	105	Line	E81MF...XP				64	132	Line			
S80M...TXC				35	061	Top	E25MF...-7G				52	105	Line	E83MF...				65	133	Line			
V24M...TXC				18	032	Top	E25MF...LH				52	104	Line	E83MF...T				65	133	Line			
V25M...TXC				18	032	Top	E25MF...LH-T				52	104	Line	E83MF...V				65	133	Line			
V82M...TXC				37	064	Top	E25MF...NC				52	106	Plas	E83MF...XP				65	133	Line			
V83M...TXC				37	064	Top	E25MF...T				51	101-103	Line	HM20MF...FOR				49	099	Top			
X2CCEM...FOR-TG				42	077	Top	E25MF...V				50	101-103	Line	HM21MF...FOR				49	099	Top			
X2CCEM...TG				42	077	Top	E25MF...TXC				51	101-103	Line	K21MF...TXC				48	099	Top			
X2CCM...CT				41	075	Top	E25MF...X-V				54	111	Top	K23MF...FOR-TXC				49	099	Top			
X2CCM...FOR-TG				42	076	Top	E26MF...FOR-CT				46	094	Line	K23MF...FORY-TXC				49	099	Top			
X2CCM...FORY-TG				42	076	Top	E26MF...NQ				46	094	Line	K25MF...U				53	108	Top			
X2CCM...NC				41	075	Top	E26MF...NS				46	094	Line	K25MF...FORY-TXC				54	110	Top			
X2CCM...SP-CT				41	075	Top	E26MF...SP-NQ				46	094	Line	K25MF...FORY-XP				54	108	Top			
X2CCM...SP-NC				41	075	Top	E26MF...SP-NS				46	094	Line	K25MF...HR				54	110	Top			
X2CCM...SP-TG				41	075	Top	E27MF...FOR-CT				47	095	Line	K25MF...TXC				54	110	Top			
X2CCM...TG				41	075	Top	E27MF...NQ				47	095	Line	K25MF...XFORY-TXC				55	111	Top			
X2CCM...TXC				42	076	Top	E27MF...NS				47	095	Line	K25MF...XP				53	108	Top			
X2SCEM...TG				42	077	Top	E27MF...SP-NS				47	095	Line	K25MF...X-TXC				55	111	Top			
X2SCM...CT				41	074	Top	E40MF...				56	115	Line	K27EMF...TX				48	097	Top			
X2SCM...NC				40	074	Top	E40MF...FOR				58	118	Line	K27EMF...FOR-TX				48	097	Top			
X2SCM...SP-CT				41	074	Top	E40MF...FOR-T				58	118	Line	K27EMF...FORY-TX				48	097	Top			
X2SCM...SP-NC				40	074	Top	E40MF...T				56	115	Line	K27MF...TX				47	096	Top			
X2SCM...SP-TG				40	074	Top	E40MF...V				56	115	Line	K27MF...FOR-TX				48	096	Top			
X2SCM...TG				40	074	Top	E40MF...XP				56	115	Line	K27MF...FORY-TX				48	096	Top			
X3CCM...SP-TG				41	075	Top	E41MF...				57	116-117	Line	K42MF...CT				59	120	Top			
X3CCM...TG				41	075	Top	E41MF...FOR				58	118	Line	K42MF...NI				59	121	Top			
X3SCM...SP-TG				41	074	Top	E41MF...FOR-T				58	118	Line	K42MF...NI-4HX				59	121	Top			
X3SCM...TG				41	074	Top	E41MF...T				57	116-117	Line	K42MF...NI-CT				59	121	Top			
XT20M...				10	018	Top	E41MF...V				57	116-117	Line	K42MF...V				59	120	Top			
XT20M...TX				10	018	Top	E41MF...XP				58	116-117	Line	K42MF...V-4HX				59	120	Top			
XT21M...				10	018	Top	E51MF...				55	112	Line	K43MF...CT				59	120	Top			
							E51MF...V				55	112	Line	K43MF...V				59	120	Top			
							E51MF...XP				55	112	Line	K43MF...V-4HX				59	120	Top			
							E60MF...				59	122	Line	K52MF...CT				56	113	Top			
							E60MF...FOR				62	127	Line	K52MF...NI				56	114	Top			
							E60MF...FOR-T				62	127	Line	K52MF...NI-4HX				56	114	Top			
							E60MF...FOR-TXC				62	127	Line	K52MF...NI-CT				56	114	Top			
							E60MF...T				59	122	Line	K52MF...V				55	113	Top			
							E60MF...TXC				60	122	Line	K52MF...V-4HX				56	113	Top			



# INDICE PRODOTTI

## PRODUCTS INDEX

Segue - Follow	UNF		
CODICE - code	pg. list.	pg. cat.	Typ.
E40UNF...	85	173	Line
E40UNF...T	85	173	Line
E40UNF...V	85	173	Line
E40UNF...XP	85	173	Line
E41UNF...	85	173	Line
E41UNF...T	85	173	Line
E41UNF...V	85	173	Line
E41UNF...XP	85	173	Line
E60UNF...	86	175	Line
E60UNF...T	86	175	Line
E60UNF...V	86	175	Line
E60UNF...XP	87	175	Line
E61UNF...	86	175	Line
E61UNF...T	86	175	Line
E61UNF...V	86	175	Line
E61UNF...XP	87	175	Line
K24UNF...FORY-XP	84	170	Top
K24UNF...U	84	170	Top
K24UNF...XP	84	170	Top
K25UNF...FORY-XP	84	170	Top
K25UNF...U	84	170	Top
K25UNF...XP	84	170	Top
K27UNF...FOR-TX	83	168	Top
K27UNF...TX	82	168	Top
K42UNF...CT	86	174	Top
K42UNF...V	86	174	Top
K42UNF...V-3BX	86	174	Top
K43UNF...CT	86	174	Top
K43UNF...V	86	174	Top
K43UNF...V-3BX	86	174	Top
K52UNF...CT	84	172	Top
K52UNF...V	84	172	Top
K52UNF...V-3BX	85	172	Top
K53UNF...CT	84	172	Top
K53UNF...V	84	172	Top
K53UNF...V-3BX	85	172	Top
K82UNF...FOR-XP	87	176	Top
K82UNF...FORY-XP	87	176	Top
K82UNF...U	87	176	Top
K82UNF...XP	87	176	Top
K83UNF...FOR-XP	87	176	Top
K83UNF...FORY-XP	87	176	Top
K83UNF...U	87	176	Top
K83UNF...XP	87	176	Top
P2CCUNF...	88	178	Line
P2CCUNF...T	88	178	Line
P2SCUNF...	88	178	Line
P2SCUNF...T	88	178	Line
V24UNF...TXC	84	171	Top
V25UNF...TXC	84	171	Top
V82UNF...TXC	88	177	Top
V83UNF...TXC	88	177	Top

Filettatura - Thread	UNEF		
CODICE - code	pg. list.	pg. cat.	Typ.
E21UNEF...	89	182	Line
E21UNEF...T	89	182	Line
E25UNEF...	89	183	Line
E25UNEF...T	89	183	Line
E61UNEF...	89	184	Line
E61UNEF...XP	89	184	Line

Filettatura - Thread	UNS		
CODICE - code	pg. list.	pg. cat.	Typ.
E20...UNS...	90	185	Line
E20...UNS...T	90	185	Line
E21...UNS...	90	185	Line
E21...UNS...T	90	185	Line

Filettatura - Thread	UN		
CODICE - code	pg. list.	pg. cat.	Typ.
E21-12UN...	91	186	Line
E21-12UN...T	91	186	Line
E21-16UN...	91	186	Line
E21-16UN...T	91	186	Line
E21-20UN...	91	187	Line
E21-20UN...T	91	187	Line
E21-28UN...	91	187	Line
E21-28UN...T	91	187	Line
E21-32UN...	91	187	Line
E21-32UN...T	91	187	Line
E21-8UN...	91	186	Line
E21-8UN...T	91	186	Line

Filettatura - Thread	GAS		
CODICE - code	pg. list.	pg. cat.	Typ.
00G...	92	190	Line
01G...	92	190	Line
03G...	92	190	Line
E21G...	93	191	Line
E21G...T	93	191	Line
E25G...	93	193	Line
E25G...T	94	193	Line
E25G...V	93	193	Line
E25G...XP	94	193	Line
E27G...NQ	93	192	Line
E27G...NS	93	192	Line
E41G...	94	197	Line
E41G...+0,05	95	197	Line
E41G...T	95	197	Line
E41G...V	95	197	Line
E61G...	95	198	Line
E61G...T	95	198	Line
E61G...V	95	198	Line
E61G...XP	95	198	Line
K25G...FORY-XP	94	194	Top
K25G...U	94	194	Top
K25G...XP	94	194	Top
K27G...FOR-TX	93	192	Top

Segue - Follow	GAS		
CODICE - code	pg. list.	pg. cat.	Typ.
K27G...TX	93	192	Top
K83G...FOR-XP	96	199	Top
K83G...FORY-XP	96	199	Top
K83G...U	96	199	Top
K83G...XP	96	199	Top
P2CCG...	96	202	Line
P2CCG...T	96	202	Line
S24G...FORY-TXC	94	195	Top
S24G...TXC	94	195	Top
S80G...FOR-TXC	96	200	Top
S80G...TXC	96	200	Top
V25G...TXC	94	196	Top
V83G...TXC	96	201	Top
X2CCG...FOR-TG	96	202	Top
X2CCG...TG	96	202	Top

Filettatura - Thread	Rp		
CODICE - code	pg. list.	pg. cat.	Typ.
E21RP...	97	204	Line
E21RP...T	97	204	Line

Filettatura - Thread	NPSM		
CODICE - code	pg. list.	pg. cat.	Typ.
E21NPSM...	97	206	Line
E21NPSM...T	97	206	Line

Filettatura - Thread	NPSF		
CODICE - code	pg. list.	pg. cat.	Typ.
E21NPSF...	97	207	Line
E21NPSF...T	97	207	Line

Filettatura - Thread	Rc		
CODICE - code	pg. list.	pg. cat.	Typ.
E21CRC...	97	210	Line
E21CRC...VS	97	210	Line
E21LRC...	98	210	Line
E21LRC...VS	98	210	Line

Filettatura - Thread	NPT		
CODICE - code	pg. list.	pg. cat.	Typ.
E21CNPT...	98	212	Line
E21CNPT...AZ	98	213	Line
E21CNPT...AZ-VS	98	213	Line
E21CNPT...VS	98	212	Line
E21LNPT...	98	212	Line
E21LNPT...AZ	99	213	Line
E21LNPT...AZ-VS	99	213	Line
E21LNPT...VS	98	212	Line

# INDICE PRODOTTI

## PRODUCTS INDEX

Filettatura - Thread		NPTF		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21CNPTF...	99	214	Line	
E21CNPTF...VS	99	214	Line	
E21LNPTF...	99	214	Line	
E21LNPTF...VS	99	214	Line	

Filettatura - Thread		BSW		
CODICE - code	pg. list.	pg. cat.	Typ.	
00W...	100	218	Line	
01W...	100	218	Line	
02W...	100	218	Line	
03W...	100	218	Line	
E20W...	101	219	Line	
E20W...T	101	219	Line	
E21W...	101	219	Line	
E21W...T	101	219	Line	
E24W...	101	220	Line	
E24W...T	101	220	Line	
E24W...V	101	220	Line	
E24W...XP	102	220	Line	
E25W...	101	220	Line	
E25W...T	101	220	Line	
E25W...V	101	220	Line	
E25W...XP	102	220	Line	
E60W...	102	221	Line	
E60W...T	102	221	Line	
E60W...V	102	221	Line	
E60W...XP	102	221	Line	
E61W...	102	221	Line	
E61W...T	102	221	Line	
E61W...V	102	221	Line	
E61W...XP	102	221	Line	

Filettatura - Thread		ISO 529-EGM		
CODICE - code	pg. list.	pg. cat.	Typ.	
529E18M...	104	227	Line	
529E18M...T	104	227	Line	
529E24M...	104	227	Line	
529E24M...T	104	227	Line	
529E26M...NS	104	226	Line	
529E60M...	105	228	Line	
529E60M...XP	105	228	Line	
529E80M...	105	228	Line	
529E80M...XP	105	228	Top	
529K26M...TXC	104	226	Top	
E20EGM...	105	230	Line	
E20EGM...T	105	230	Line	
E21EGM...	105	230	Line	
E21EGM...T	105	230	Line	
E24EGM...	106	231	Line	
E24EGM...XP	106	231	Line	
E25EGM...	106	231	Top	
E25EGM...XP	106	231	Line	
E60EGM...	106	232	Line	
E60EGM...XP	106	232	Line	
E61EGM...	106	232	Line	
E61EGM...XP	106	232	Line	

Filettatura - Thread		DIES		
CODICE - code	pg. list.	pg. cat.	Typ.	
100-99M...	111	236	Line	
100E99XM...	111	236	Line	
100S99M...	111	236	Line	
110-99M...	112	237-239	Line	
110E99XM...	113	237-238	Line	
110S99M...	113	237-238	Line	
200-99W...	116	245	Line	
300-99U...	114	240	Line	
300-S99U...	114	240	Line	
310-99U...	114	241	Line	
310S99U...	114	241	Line	
400-99G...	115	242	Line	
400-E99XG...	115	242	Line	
400S99G...	115	242	Line	
410-99RC...	115	243	Line	
420-99NPT...	115	244	Line	
430-99NPTF...	115	244	Line	
700-99PG...	116	246	Line	

Filettatura - Thread		EPF		
CODICE - code	pg. list.	pg. cat.	Typ.	
EPFALUM...	107	234	Line	
EPFALUM...VS	107	234	Line	
EPFM...	107	234	Line	
EPFM...VS	107	234	Line	
EPFMF...	107	234	Line	
EPFMF...VS	107	234	Line	

Filettatura - Thread		PG		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21PG...	103	222	Line	
E21PG...T	103	222	Line	
E25PG...	103	222	Line	
E25PG...T	103	222	Line	

Filettatura - Thread		GO / NO-GO		
CODICE - code	pg. list.	pg. cat.	Typ.	
P-NPG...	110	203	Line	
P-NPM...	108	79	Line	
P-NPMF...	108	147-148	Line	
P-NPNPT...	110	215	Line	
P-NPNPTF...	110	215	Line	
P-NPRC...	110	211	Line	
P-NPUNC...	109	163	Line	
P-NPUNEF...	109	188	Line	
P-NPUNF...	109	179	Line	

Filettatura - Thread		Tr (TPN)		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21TPN...	103	223	Line	
E21TPN...V	103	223	Line	
E21TPN...LH	103	223	Line	
E21TPN...LH-V	103	223	Line	

Filettatura - Thread		Rd		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21RD...	104	224	Line	
E21RD...T	104	224	Line	