



RHINO LINE



TaeguTec
Member IMC Group

CONTENUTI



RHINOTURN

ECO TURNING LINE

Inseri	4-16
Utensili per esterno	17-44
Utensili per interno	45-69



RHINOGROOVE

Inseri	72-73
Utensili	74-75



RHINOMILL

Inseri	78
Corpi fresa	79-81



RHINOSOLID

Frese in metallo duro	84-89
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RHINO TURN

ECO TURNING LINE



Guida alla scelta del rompitrucolo

Inserti negativi RHINO-TURN

Per acciaio

Finitura	
Media	
Sgrossatura	

Per acciaio inossidabile

Finitura	
Media	
Sgrossatura	

Per superleghe

Finitura	
Media	
Sgrossatura	

Per ghisa

Finitura	
Media	
Sgrossatura	

Per alluminio

Finitura	
Media	
Sgrossatura	

Inserti più piccoli e più robusti

- Adatto per produzione di serie
- Lavorazione molto stabile
- Sostituisce gli inserti ISO negativi nelle applicazioni medie e di finitura



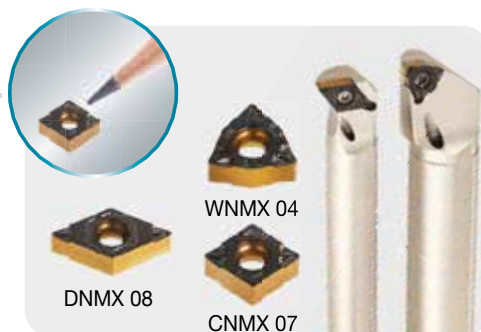
Inserti bilaterali rettificati adatti per torni svizzeri

- Utensili esterni e sleeve con refrigerazione ad alta pressione
- Inserti con tagliente affilato e rettificato con nuovi gradi TT4410 e TT4430



Mini Inserti bilaterali economici

- Ottimale per basse profondità di taglio inferiori ai 2 mm
- Sostituisce gli inserti ISO positivi
- Adatto per la barenatura di piccoli diametri



Inserti multiuso con angolo a 70°

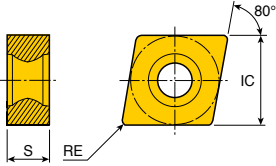
- Forma integrata del tipo C e D
- Tornitura esterna, interna, sfacciatura e profilatura
- Basse forze di taglio, durata utensile affidabile, controllo truciolo per componenti automobilistici



CNGG CNMA CNMG

Inserti

Inserti rombici negativi a 80°



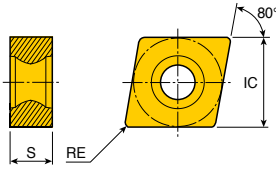
Misura	Dimensioni (mm)		
	IC	S	RE
09	9.52	4.76	0.1-1.2

Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Categorie																					
				Cermet	Rivestito CVD						Rivestito PVD														
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9080	TT3010	TT3020	TT9020	K10
	CNGG 090401 ML	0.1-1.0	0.03-0.10																	●					●
	090402 ML	0.2-1.2	0.05-0.15																	●					●
	090404 ML	0.5-1.5	0.05-0.20																	●					●
	090408 ML	0.5-1.5	0.08-0.25																	●					●
Media																									
	CNMA 090408	1.0-3.0	0.15-0.60			●	●																		
	090412	1.0-3.0	0.15-0.70			●	●																		
Sgrossatura																									
	CNMG 090404	0.5-3.0	0.10-0.45				●	●																	
	090408	0.5-3.0	0.10-0.50				●	●																	
	090412	0.5-3.0	0.10-0.55				●	●																	
Media																									
	CNMG 090404 EA	0.20-1.5	0.05-0.30											●	●	●			●		●				
	090408 EA	0.30-1.5	0.07-0.40											●	●	●			●		●				
Finitura																									
	CNMG 090408 EM	0.5-3.0	0.13-0.40											●	●	●			●		●				
	090412 EM	0.7-3.0	0.15-0.40											●	●	●			●		●				
Media																									
	CNMG 090404 FG	0.2-2.0	0.07-0.30										●	●				●							
	090408 FG	0.5-2.0	0.10-0.35										●	●				●							
	090412 FG	0.5-2.0	0.15-0.40										●	●				●							
Finitura																									
	CNMG 090404 FM	0.25-2.0	0.07-0.30	●	●								●	●	●	●		●							
	090408 FM	0.3-2.0	0.10-0.35	●	●								●	●	●	●		●							
	090412 FM	0.35-2.0	0.15-0.40	●	●								●	●	●	●		●							
Finitura																									
	CNMG 090402 FS	0.2-1.5	0.05-0.25	●	●								●	●											
	090404 FS	0.25-1.5	0.07-0.30	●	●								●	●											
	090408 FS	0.5-1.5	0.10-0.30	●	●								●	●											
Finitura																									




















● : Standard

CNMG CNMX

Inserti rombici negativi a 80°



Misura	Dimensioni (mm)		
	IC	S	RE
07	7.0	3.18	0.4
09	9.52	4.76	0.4-1.2

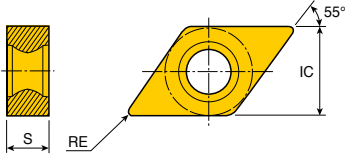
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet		Rivestito CVD							Rivestito PVD			K10									
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225		TT9235	TT5100	TT7100	TT5080	TT8020	TT9080	TT3010	TT3020	TT9020
	CNMG 090404 FT	0.4-3.0	0.07-0.30							●	●	●	●		●										
	090408 FT	0.5-3.0	0.10-0.40												●										
	090412 FT	0.6-3.0	0.15-0.50												●										
Finitura																									
	CNMG 090404 MK	0.7-3.0	0.17-0.40												●	●		●	●						
	090408 MK	1.0-3.0	0.20-0.50												●	●		●	●	●	●				
	090412 MK	1.2-3.0	0.23-0.50												●	●		●	●						
Media																									
	CNMG 090404 MM	0.4-3.0	0.15-0.45									●	●	●	●	●								●	
	090408 MM	0.5-3.0	0.20-0.50									●	●	●	●	●								●	
	090412 MM	0.7-3.0	0.23-0.50									●	●	●	●	●								●	
Media																									
	CNMG 090404 MT	0.8-3.0	0.10-0.35									●	●	●	●		●								
	090408 MT	1.0-3.0	0.15-0.45	●								●	●	●	●		●	●						●	●
	090412 MT	1.2-3.0	0.20-0.55									●	●	●	●		●								
Media																									
	CNMG 090404 PC	0.4-3.0	0.10-0.30									●	●	●	●		●							●	
	090408 PC	0.5-3.0	0.15-0.40									●	●	●	●		●							●	
	090412 PC	0.6-3.0	0.18-0.50									●	●	●	●		●							●	
Media																									
	CNMG 090404 WA	0.25-2.5	0.08-0.25	●	●		●	●	●	●					●										
	090408 WA	0.25-3.0	0.10-0.40	●	●		●	●	●	●					●										
	090412 WA	0.4-3.0	0.20-0.50	●	●		●	●	●	●					●										
Wiper																									
Finitura																									
	CNMX 070304 FGP	0.3-2.0	0.05-0.25	●								●	●						●				●		
Finitura																									

● : Standard









DNGG DNGX DNMG

Inserti

Inserti rombici negativi a 55°



Misura	Dimensioni (mm)		
	IC	S	RE
08	7.0	3.18	0.2
13	11.11	5.56	0.1-1.2

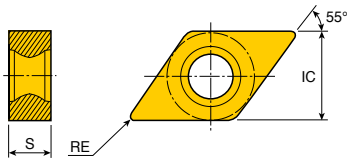
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet												K10									
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225		TT9235	TT5100	TT7100	TT5080	TT3010	TT3020	TT9020	TT4410	TT4430
 Finitura (per torni svizzeri)	DNGG 130501M FU-F	0.2-2.5	0.03-0.12																				•	•	
	130502M FU-F	0.2-2.5	0.04-0.12																					•	•
	130504M FU-F	0.4-2.5	0.05-0.12																						•
 Media	DNGG 130501 ML	0.1-1.0	0.03-0.10																						•
	130502 ML	0.2-1.2	0.05-0.15																						•
	130504 ML	0.5-1.5	0.05-0.20																						•
	130508 ML	0.5-1.5	0.08-0.25																						•
 Finitura (per torni svizzeri)	DNGX 080302M SM-F	0.2-1.2	0.02-0.12																						•
 Media	DNMG 130504	0.5-3.5	0.10-0.45					•	•																
	130508	0.5-3.5	0.10-0.50					•	•														•	•	
	130512	0.5-3.5	0.10-0.55					•	•																
 Finitura	DNMG 130504 EA	0.20-1.5	0.05-0.30																						•
	130508 EA	0.30-1.5	0.07-0.40																						•
 Media	DNMG 130508 EM	0.5-3.0	0.13-0.40																						•
	130512 EM	0.7-3.0	0.15-0.40																						•
 Finitura	DNMG 130504 FG	0.2-2.0	0.07-0.30																						•
	130508 FG	0.5-2.0	0.10-0.35																						•
	130512 FG	0.5-2.0	0.15-0.40																						•
 Finitura	DNMG 130504 FM	0.25-2.0	0.07-0.30		•																				•
	130508 FM	0.3-2.0	0.10-0.35		•																				•
	130512 FM	0.35-2.0	0.15-0.40		•																				•

• : Standard










DNMG DNMX DNUX

Inserti

Inserti rombici negativi a 55°



Misura	Dimensioni (mm)		
	IC	S	RE
08	7.0	3.18	0.4
13	11.11	5.56	0.2-1.2

Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet		Rivestito CVD						Rivestito PVD				K10								
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225		TT9235	TT5100	TT7100	TT5080	TT8020	TT9080	TT3010	TT3020
 Finitura	DNMG 130502 FS	0.2-2.0	0.05-0.25	●	●																			
	130504 FS	0.25-2.0	0.07-0.30	●	●						●	●												
	130508 FS	0.5-2.0	0.10-0.30	●	●						●	●												
 Finitura	DNMG 130504 FT	0.25-3.0	0.07-0.30							●	●	●		●										
	130508 FT	0.3-3.0	0.10-0.40							●	●	●		●										
	130512 FT	0.35-3.0	0.15-0.50							●	●	●		●										
 Media	DNMG 130504 MK	0.7-4.0	0.17-0.40										●	●				●	●					
	130508 MK	1.0-4.0	0.20-0.45										●	●				●	●	●	●			
	130512 MK	1.2-4.0	0.23-0.50										●	●				●	●					
 Media	DNMG 130504 MM	0.4-4.0	0.15-0.45									●	●	●	●	●	●	●			●	●		
	130508 MM	0.5-4.0	0.20-0.50									●	●	●	●	●	●	●						
	130512 MM	0.7-4.0	0.23-0.50									●	●	●	●	●	●							
 Media	DNMG 130504 MT	0.8-4.0	0.10-0.35									●	●	●				●						
	130508 MT	1.0-4.0	0.15-0.45									●	●	●				●						
	130512 MT	1.2-4.0	0.20-0.55									●	●	●				●						
 Media	DNMG 130504 PC	0.4-3.5	0.10-0.30									●	●	●				●						
	130508 PC	0.5-3.5	0.15-0.40									●	●	●				●						
	130512 PC	0.6-3.5	0.18-0.50									●	●	●				●						
 Finitura	DNMG 130504 WA *	0.25-2.5	0.08-0.25	●	●	●	●	●	●	●				●										
	130508 WA *	0.25-3.0	0.10-0.35	●	●	●	●	●	●	●				●										
	130512 WA *	0.4-3.5	0.15-0.45	●	●	●	●	●	●	●				●										
 Finitura	DNMX 080304 FGP	0.3-2.0	0.05-0.25	●								●	●					●						●
 Media (in fig. destro)	DNMX 130504 R11	1.5-4.5	0.15-0.35									●	●		●	●					●			
	130504 L11	1.5-4.5	0.15-0.35									●	●		●	●					●			
	130508 R11	2.0-4.5	0.21-0.45									●	●	●	●	●	●					●		
	130508 L11	2.0-4.5	0.21-0.45									●	●	●	●	●	●					●		

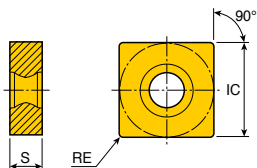
* Gli inserti wiper devono essere utilizzati con:
DJNR/L..., DUNR/L..., DZNR/L...

● : Standard










SNMG

Inserti

Inserti quadri negativi



Misura	Dimensioni (mm)		
	IC	S	RE
09	9.52	4.76	0.4-1.2

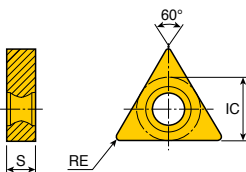
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Materiali														K10							
				Cermet		Rivestito CVD						Rivestito PVD													
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225	TT9235	TT15100	TT17100	TT5080	TT8020	TT9080	TT3010	TT3020	TT9020	
 Media	SNMG 090404	0.5-3.0	0.10-0.45			●	●			●	●														
	090408	0.5-3.0	0.10-0.50				●	●			●	●													
	090412	0.5-3.0	0.10-0.55				●	●				●													
 Finitura	SNMG 090404 EA	0.2-1.5	0.05-0.30											●	●	●			●		●				
	090408 EA	0.3-1.5	0.07-0.40											●	●	●			●		●				
 Media	SNMG 090408 EM	0.5-3.0	0.13-0.40											●	●	●			●		●				
	090412 EM	0.7-3.0	0.15-0.40											●	●	●			●		●				
 Finitura	SNMG 090404 FG	0.2-2.0	0.07-0.30	●							●	●					●								
	090408 FG	0.5-2.0	0.10-0.35	●							●	●					●								
	090412 FG	0.5-2.0	0.15-0.40								●	●					●								
 Finitura	SNMG 090404 FM	0.25-2.0	0.07-0.30	●							●	●	●				●								
	090408 FM	0.3-2.0	0.10-0.35	●	●						●	●	●				●								
	090412 FM	0.35-2.0	0.15-0.40	●							●	●	●				●								
 Media	SNMG 090404 MK	0.7-3.0	0.17-0.40												●	●			●		●				
	090408 MK	1.0-3.0	0.20-0.50												●	●			●		●				
	090412 MK	1.2-3.0	0.23-0.50												●	●			●		●				
 Media	SNMG 090404 MM	0.4-3.0	0.15-0.45								●	●	●	●	●	●									
	090408 MM	0.5-3.0	0.20-0.50								●	●	●	●	●	●						●			
	090412 MM	0.7-3.0	0.23-0.50								●	●	●	●	●	●									
 Media	SNMG 090404 MT	0.8-3.0	0.10-0.35								●	●	●			●									
	090408 MT	1.0-3.0	0.15-0.45								●	●	●			●			●		●				
	090412 MT	1.2-3.0	0.20-0.55								●	●	●			●									
 Media	SNMG 090404 PC	0.4-3.0	0.10-0.30								●	●	●	●			●								
	090408 PC	0.5-3.0	0.15-0.40								●	●	●			●									
	090412 PC	0.6-3.0	0.18-0.50								●	●	●			●									

● : Standard















TNGG TNMG

Inserti

Inserti triangolari negativi



Misura	Dimensioni (mm)		
	IC	S	RE
13	7.94	4.76	0.2-1.2

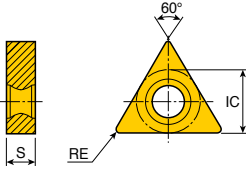
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet		Rivestito CVD							Rivestito PVD			K10											
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225		TT9235	TT5100	TT7100	TT5080	TT8020	TT9080	TT3010	TT3020	TT9020		
  Media (in fig. destro)	TNGG 130402 L	0.8-3.5	0.10-0.30	●																							
	130402 R	0.8-3.5	0.10-0.30	●																							
	130404 L	1.0-3.5	0.12-0.30	●																							
	130408 R	1.3-3.5	0.15-0.35	●																							
	130408 L	1.3-3.5	0.15-0.35	●																							
	130408 R	1.3-3.5	0.15-0.35	●																							
  Media	TNGG 130404	0.5-3.5	0.10-0.45			●	●																				
	130408	0.5-3.5	0.10-0.50			●	●																				
	130412	0.5-3.5	0.10-0.55			●	●																				
  Finitura	TNGG 130404 EA	0.2-1.5	0.05-0.30									●	●	●		●		●									
	130408 EA	0.3-1.5	0.07-0.40									●	●	●		●		●									
  Media	TNGG 130408 EM	0.5-3.0	0.13-0.40									●	●	●		●		●									
	130412 EM	0.7-3.0	0.15-0.40									●	●	●		●		●									
  Finitura	TNGG 130404 FG	0.25-1.5	0.07-0.30									●	●			●											
	130408 FG	0.3-1.5	0.10-0.35									●	●			●											
	130412 FG	0.35-1.5	0.15-0.40									●	●			●											
  Finitura	TNGG 130404 FM	0.25-1.5	0.07-0.30	●	●							●	●	●	●		●										
	130408 FM	0.3-1.5	0.10-0.35	●	●							●	●	●	●		●										
	130412 FM	0.35-1.5	0.15-0.40	●	●							●	●	●	●		●										
  Finitura	TNGG 130402 FS	0.2-1.0	0.05-0.25	●	●							●	●														
	130404 FS	0.25-1.0	0.07-0.30	●	●							●	●														
	130408 FS	0.5-1.0	0.10-0.30	●	●							●	●														

● : Standard













TNMG

Inserti

Inserti triangolari negativi



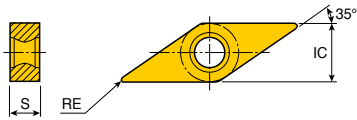
Misura	Dimensioni (mm)		
	IC	S	RE
13	7.94	4.76	0.4-1.2

Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cemet												K10											
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225		TT9235	TT5100	TT7100	TT5080	TT8020	TT9080	TT3010	TT3020	TT9020		
  Finitura	TNMG 130404 FT	0.25-2.5	0.07-0.30																								
	130408 FT	0.3-2.5	0.10-0.40							●	●	●	●							●							
	130412 FT	0.35-2.5	0.15-0.50							●	●	●	●							●							
  Media	TNMG 130404 MK	0.7-3.0	0.17-0.40																		●		●				
	130408 MK	1.0-3.0	0.20-0.45																		●		●				
	130412 MK	1.2-3.0	0.23-0.50																		●		●				
  Media	TNMG 130404 MM	0.4-3.0	0.15-0.45										●	●	●	●	●	●								●	
	130408 MM	0.5-3.0	0.20-0.50										●	●	●	●	●	●								●	
	130412 MM	0.7-3.0	0.23-0.50										●	●	●	●	●	●								●	
  Media	TNMG 130404 MT	0.8-3.0	0.10-0.35										●	●	●	●							●				
	130408 MT	1.0-3.0	0.15-0.45										●	●	●	●							●				
	130412 MT	1.2-3.0	0.20-0.55										●	●	●	●							●				
  Media	TNMG 130404 PC	0.4-3.0	0.10-0.30										●	●	●	●										●	
	130408 PC	0.5-3.0	0.15-0.40										●	●	●	●										●	
	130412 PC	0.6-3.0	0.18-0.50										●	●	●	●										●	
  Finitura	TNMG 130404 WA *	0.25-2.5	0.08-0.25	●	●	●	●	●	●	●		●	●	●	●								●				
	130408 WA *	0.25-3.0	0.10-0.35	●	●	●	●	●	●	●		●	●	●	●								●				
	130412 WA *	0.40-3.5	0.15-0.45	●	●	●	●	●	●	●		●	●	●	●								●				



















 * Gli inserti wiper devono essere utilizzati con:
 □TGNR/L..., □TFNR/L...

●: Standard

Inserti rombici negativi a 35°



Misura	Dimensioni (mm)		
	IC	S	RE
13	7.94	4.76	0.1-1.2

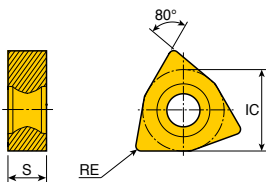
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet		Rivestito CVD							Rivestito PVD						K10				
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225	TT9235	TT5100	TT7100		TT5080	TT9080	TT3010	TT3020
  Finitura (per torni svizzeri)	VNGX 130401M FS-F	0.2-1.0	0.03-0.12																		•	•	
	130402M FS-F	0.2-1.0	0.04-0.12																			•	•
  Media	VNGX 130401 ML	0.1-1.0	0.03-0.10																				•
	130402 ML	0.2-1.2	0.05-0.15																				
	130404 ML	0.5-1.5	0.05-0.20																				
  Finitura	VNMX 130404 FG	0.5-2.0	0.08-0.20	•						•	•		•	•	•								
	130408 FG	0.5-2.0	0.10-0.23	•						•	•		•	•	•								
  Finitura	VNMX 130404 FM	0.25-1.5	0.07-0.30	•						•	•	•	•		•	•	•						
	130408 FM	0.3-1.5	0.10-0.35	•						•	•	•	•		•	•	•						
  Finitura	VNMX 130402 FS	0.2-1.0	0.05-0.20	•	•						•	•											
	130404 FS	0.25-1.0	0.07-0.20	•	•						•	•											
	130408 FS	0.5-1.0	0.10-0.23	•	•						•	•											
  Finitura	VNMX 130404 FX	0.2-2.0	0.05-0.20	•	•						•	•			•								
	130408 FX	0.2-2.0	0.07-0.20	•	•						•	•			•								
  Media	VNMX 130404 MK	0.7-3.0	0.17-0.35											•	•			•	•				
	130408 MK	1.0-3.0	0.20-0.40							•					•	•			•	•	•	•	
  Media	VNMX 130404 MT	0.8-3.0	0.15-0.36	•							•	•	•	•		•	•						
	130408 MT	1.0-3.0	0.17-0.36	•						•	•	•	•		•	•			•	•			
	130412 MT	1.5-3.0	0.20-0.40							•	•	•	•		•	•			•	•			
  Media	VNMX 130404 PC	0.4-3.0	0.15-0.36								•	•	•	•		•	•						
	130408 PC	0.5-3.0	0.17-0.36								•	•	•	•		•	•			•	•		
	130412 PC	1.0-3.0	0.20-0.40								•	•	•	•		•	•			•	•		

• : Standard



WNMX

Inserti

Inserti trigoni negativi a 80°



Misura	Dimensioni (mm)		
	IC	S	RE
06	9.52	4.76	0.4-1.2

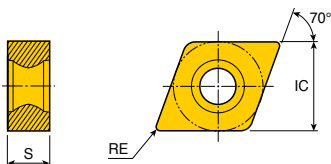
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet		Rivestito CVD							Rivestito PVD				K10									
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9235	TT5100		TT7100	TT5080	TT8020	TT9080	TT3010	TT3020	TT9020		
 Media	WNMX 060404 PC	0.4-3.0	0.10-0.30																							
	060408 PC	0.5-3.0	0.15-0.40																							
	060412 PC	0.6-3.0	0.18-0.50																							
 Finitura	WNMX 060404 WA	0.25-2.5	0.08-0.25	●	●		●	●																		
	060408 WA	0.25-3.0	0.10-0.40	●	●		●	●																		
	060412 WA	0.4-3.0	0.20-0.50	●	●		●	●																		

● : Standard




XNMG

Inserti

Inserti rombici negativi a 70°



Misura	Dimensioni (mm)		
	IC	S	RE
09	8.7	4.76	0.4
11	11.11	5.56	0.4-1.2

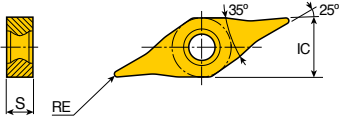
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet		Rivestito CVD							Rivestito PVD				K10									
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8135B	TT9215	TT9235	TT5100	TT7100		TT5080	TT8020	TT9080	TT3010	TT3020	TT9020			
 Finitura	XNMG 090404 FLP	0.20-1.50	0.07-0.30																							
 Finitura	XNMG 110504 FGP	0.25-2.00	0.07-0.30																							
	110508 FGP	0.30-2.00	0.10-0.35																							
	110512 FGP	0.35-2.00	0.15-0.40																							
 Media	XNMG 110508 MLP	0.50-3.50	0.10-0.40																							
	110512 MLP	0.60-3.50	0.15-0.50																							

● : Standard

YNMG

Inserti

Inserti rombici negativi a 25°



Misura	Dimensioni (mm)		
	IC	S	RE
13	7.94	4.76	0.4-0.8

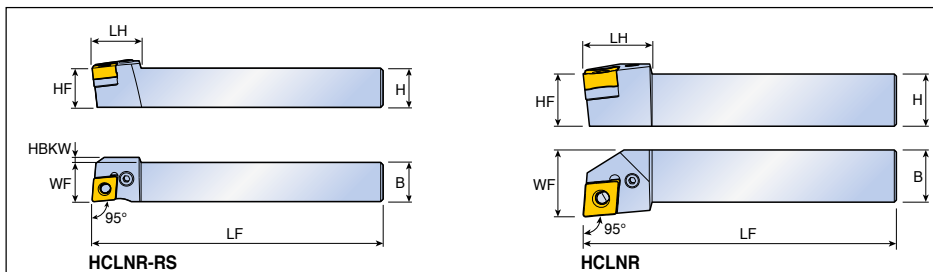
Inserto	Descrizione	ap (mm)	Avanz. (mm/giro)	Cermet		Rivestito CVD								Rivestito PVD										
				PV3010	CT3000	TT3005	TT7005	TT7015	TT7025	TT8105B	TT8115B	TT8125B	TT8135B	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9080	TT3010	TT3020	TT9020
 YNMG 130404 FS 130408 FS		0.3-1.0	0.08-0.20	●	●													●	●					
		0.5-1.5	0.08-0.25	●	●														●					
Finitura																								

●: Standard

HCLNR/L-RS HCLNR/L

Utensili per esterno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBKW	
95°	HCLNR/L 1212 K0904-RS	12	12	16	125	18	12	2	CN... 0904... <i>RHINOTURN</i>
	1616 K0904-RS	16	16	16	125	20	16	-	
95°	HCLNR/L 1616 H0904	16	16	16	100	22	20	-	CN... 0904... <i>RHINOTURN</i>
	2020 H0904	20	20	20	100	22	25	-	
	2020 K0904	20	20	20	125	22	25	-	
	2525 M0904	25	25	25	150	22	32	-	

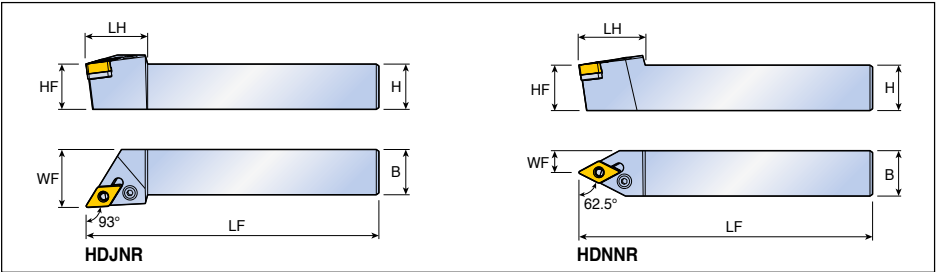
Ricambi

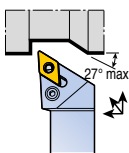

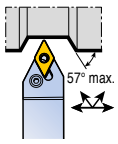
Descrizione	Leva	Vite	Anello	Sottoplacch.	Perno elastico	Chiave	
...1212...0904	LCL 09B-NX	LCS 3B	LSR 3B	-	-	L-W 2	
...0904	LCL 09-NX	LCS 3	-	LSC 32A	LSP 3A	L-W 2.5	

HDJNR/L HDNNR/L

Utensili per esterno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
93° 	HDJNR/L 2020 H1305	20	20	20	100	34	25	DN... 1305... 
	2020 K1305	20	20	20	125	34	25	
	2525 M1305	25	25	25	150	34	32	
62.5° 	HDNNR/L 2020 K1305	20	20	20	125	36.5	10	
	2525 M1305	25	25	25	150	36.5	12	

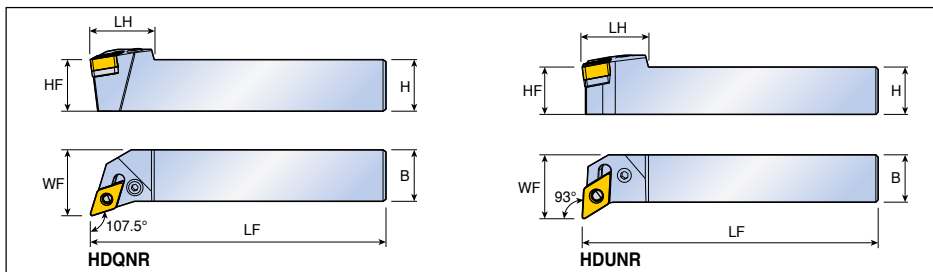
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elastico	Chiave		
...1305	LCL 11-NX	LCS 4	LSD 3.52	LSP 4	L-W 3		

HDQNR/L HDUNR/L

Utensili per esterno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
107.5°	HDQNR/L 2020 K1305	20	20	20	125	31	25	DN... 1305... <i>RHINOTURN</i>
	2525 M1305	25	25	25	150	31	32	
93°	HDUNR/L 2020 K1305	20	20	20	125	28	27	

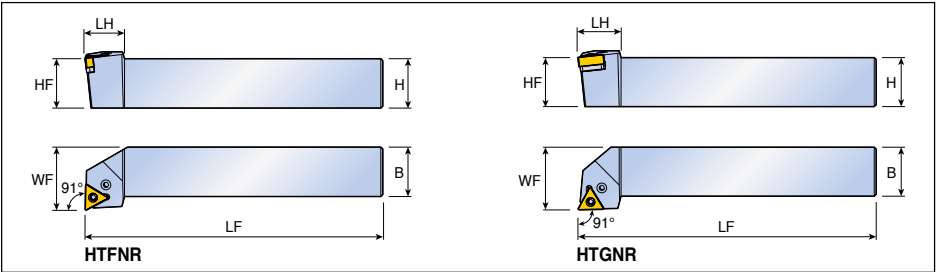
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elastico	Chiave		
...1305	LCL 11-NX	LCS 4	LSD 3.52	LSP 4	L-W 3		

HTFNR/L HTGNR/L

Utensili per esterno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto	
		H	HF	B	LF	LH	WF		
91° 	HTFNR/L 2020 K1304	20	20	20	125	20	25	TN... 1304... 	
	2525 M1304	25	25	25	150	20	32		
91° 	HTGNR/L 1616 H1304	16	16	16	100	22	20		
	2020 H1304	20	20	20	100	22	25		
	2020 K1304	20	20	20	125	22	25		
	2525 M1304	25	25	25	150	22	32		

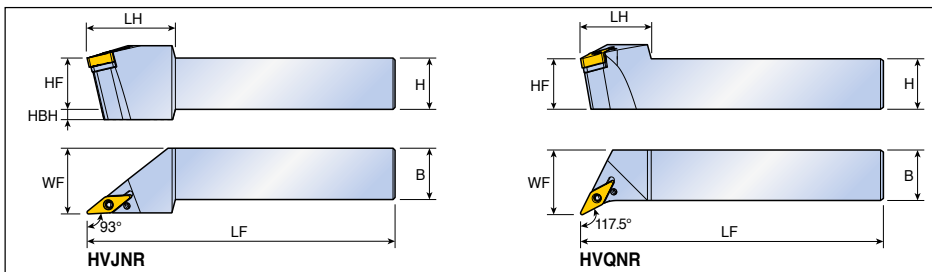
Ricambi

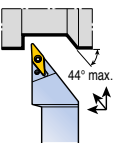
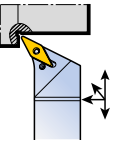
Descrizione	Leva	Vite	Sottoplacch.	Perno elastico	Chiave		
...1304	LCL 08-NX	LCS 3-NX	LST 2.51.8	LSP 3B	L-W 2.5		

HVJNR/L HVQNR/L

Utensili per esterno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBH	
93° 	HVJNR/L 1616 H1304	16	16	16	100	30	20	5	VN...X 1304... YNMG 1304... RHINOTURN
	2020 K1304	20	20	20	125	35	25	-	
	2525 M1304	25	25	25	150	43	32	-	
117.5° 	HVQNR/L 2020 K1304	20	20	20	125	35	25	-	
	2525 M1304	25	25	25	150	35	32	-	

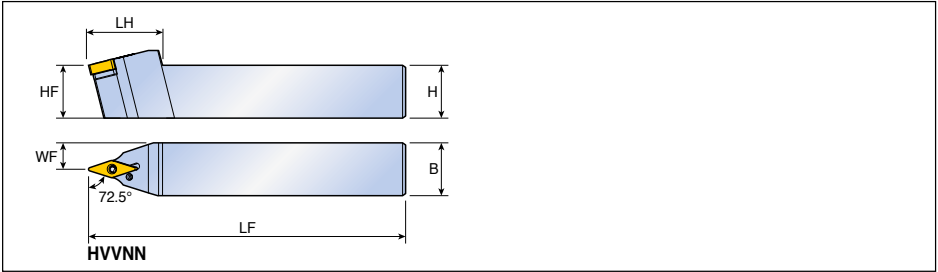
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elast.	Chiave			
...1304	LCL 08-NX	LCS 4-DH	LSV 2.51.8H	LSP 3B	L-W 2.5			

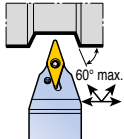
HVVNN

Utensili per esterno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
72.5°	HVVNN 2020 K1304	20	20	20	125	35	10	VN...X 1304...
	2525 M1304	25	25	25	150	35	12.5	YNMG 1304...



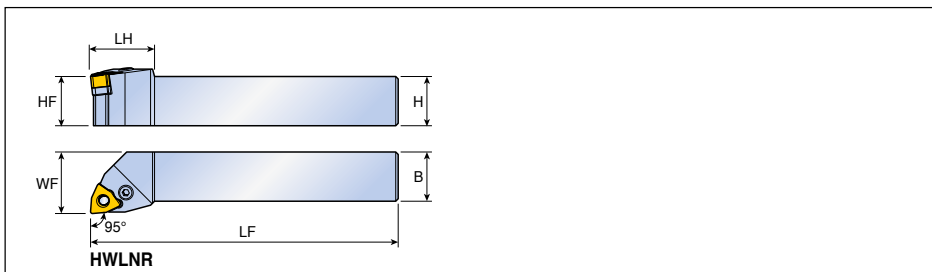
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elast.	Chiave			
...1304	LCL 08-NX	LCS 4-DH	LSV 2.51.8H	LSP 3B	L-W 2.5			

HWLNLR/L

Utensili per esterno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
95°	HWLNLR/L 1616 H0604	16	16	16	100	26	20	WN...X 0604... <i>RHINOTURN</i>
	2020 K0604	20	20	20	125	26	25	
	2525 M0604	25	25	25	150	26	32	

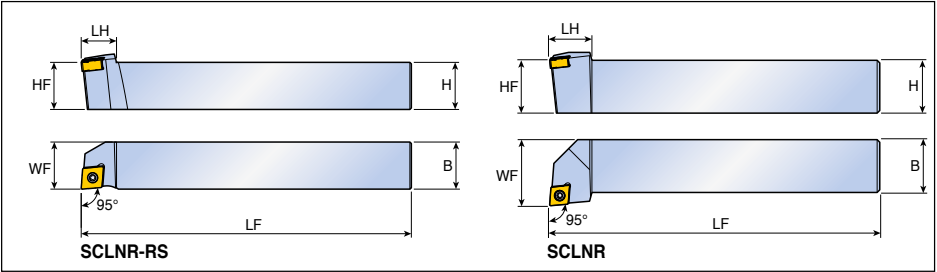
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elast.	Chiave			
...0604	LCL 09-NX	LCS 3	LSW 32A	LSP 3A	L-W 2.5			

SCLNR/L-RS SCLNR/L



Utensili per esterno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
95°	SCLNR/L 1212 K0703-RS	12	12	12	125	12	12	CNMX 0703... RHINO TURN
	1616 K0703-RS	16	16	16	125	12	16	
95°	SCLNR/L 1616 H0703	16	16	16	100	12	20	
	2020 K0703	20	20	20	125	16	25	

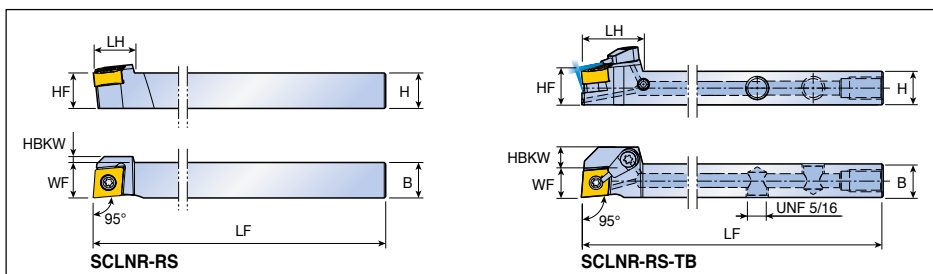
Ricambi

Descrizione	Vite	Chiave					
	...0703...	 TS 25D060/HG-P	 T 7P				

SCLNR-RS SCLNR-RS-TB






Utensili per esterno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBKW	
95°	SCLNR 1212 K0904-RS	12	12	12	125	14	12	2	CN... 0904 RHINO TURN
	1616 K0904-RS	16	16	16	125	14	16	-	
	2020 K0904-RS	20	20	20	125	14	20	-	
95°	SCLNR 1212 K0904-RS-TB	12	12	12	125	22	12	19	COOLBURST
	1616 K0904-RS-TB	16	16	16	125	22	16	18	
	2020 K0904-RS-TB	20	20	20	125	22	20	-	

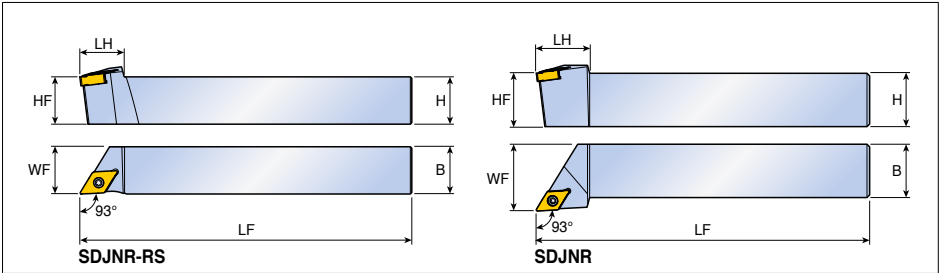
Ricambi

Descrizione	Vite	Unità di refr.	Tappo filettato	Chiave			
							
SCLNR-RS	TS 35083/HG	-	-	T 10	-		
SCLNR-RS-TB	TS 35083/HG	S-CU-TB	PLG 5/16 UNF	T 10	L-W 5/32		

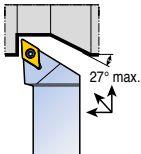
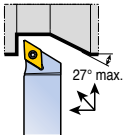
SDJNR/L-RS SDJNR/L

Utensili per esterno



Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
93°	SDJNR/L 1212 K0803-RS	12	12	12	125	15	12	DN...X 0803... RHINO TURN
	1616 K0803-RS	16	16	16	125	15	16	
93°	SDJNR/L 1616 H0803	16	16	16	100	16	20	
	2020 K0803	20	20	20	125	20	25	



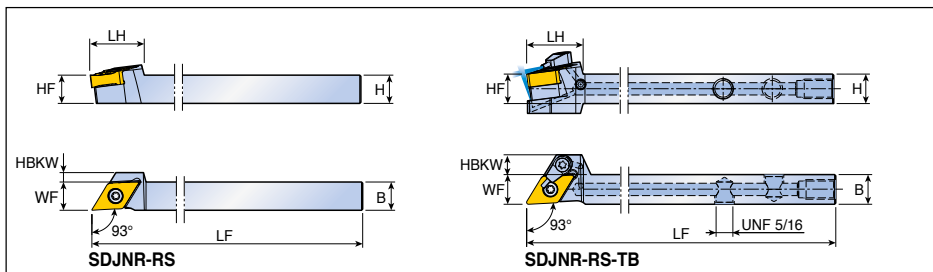
Ricambi

Descrizione	Vite	Chiave					
							
...0803...	TS 25D060/HG-P	T 7P					

SDJNR-RS SDJNR-RS-TB

Utensili per esterno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBKW	
93°	SDJNR 1212 K1305-RS	12	12	12	125	23	12	4	DN...1305... <i>RHINOTURN</i>
	1616 K1305-RS	16	16	16	125	23	16	-	
	2020 K1305-RS	20	20	20	125	23	20	-	
93°	SDJNR 1212 K1305-RS-TB	12	12	12	125	23	12	8	
	1616 K1305-RS-TB	16	16	16	125	23	16	4	

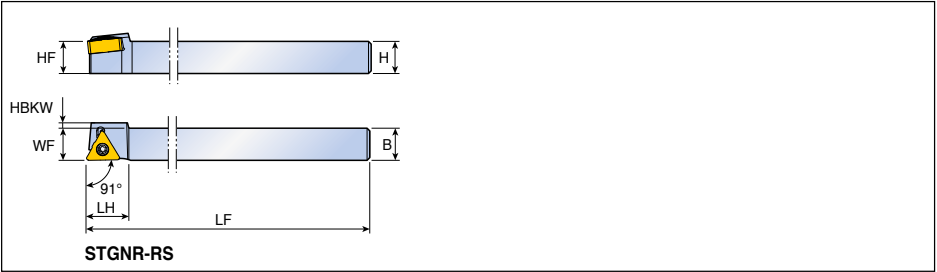
Ricambi

Descrizione	Vite	Unità di refr.	Tappo filettato	Chiave				
SDJNR-RS	TS 40G110I	-	-	T 15	-			
SDJNR-RS-TB	TS 40G110I	S-CU-TB	PLG 5/16 UNF	T 15	L-W 5/32			

STGNR-RS

Utensili per esterno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBKW	
91°	STGNR 1212 K1304-RS	12	12	12	125	16	12	2	TN...1304...
	1616 K1304-RS	16	16	16	125	16	16	-	RHINO TURN
	2020 K1304-RS	20	20	20	125	16	20	-	

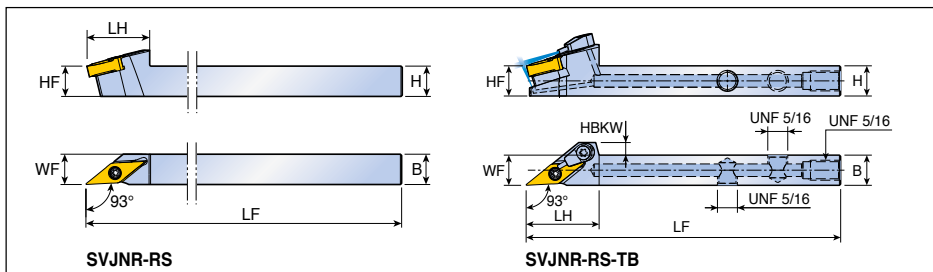
Ricambi

Descrizione	Vite	Chiave					
	STGNR-RS	TS 30080I/HG	T 9				

SVJNR-RS SVJNR-RS-TB

Utensili per esterno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBKW	
93°	SVJNR 1212 K1304-RS	12	12	12	125	25	12	-	VN...X 1304...
	1616 K1304-RS	16	16	16	125	25	16	-	YNMG 1304...
	2020 K1304-RS	20	20	20	125	25	20	-	RHINOTURN
93°	SVJNR 1212 K1305-RS-TB	12	12	12	125	29	12	5	
	1616 K1305-RS-TB	16	16	16	125	29	16	1	

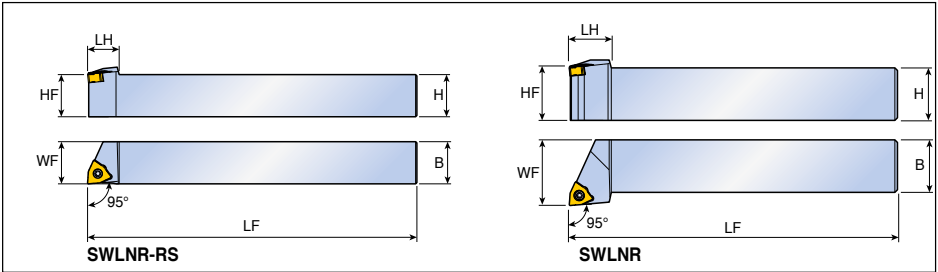
Ricambi

Descrizione	Vite	Unità di refr.	Tappo filettato	Chiave			
SVJNR-RS	TS 30080I/HG	-	-	T 9	-		
SVJNR-RS-TB	TS 30080I/HG	S-CU-TB	PLG 5/16 UNF	T 9	L-W 5/32		

SWLNR/L-RS SWLNR/L

Utensili per esterno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF		
95°	SWLNR/L 1212 K0403-RS	12	12	12	125	12	12	WNMX 0403... RHINO TURN	
	1616 K0403-RS	16	16	16	125	12	16		
95°	SWLNR/L 1616 H0403	16	16	16	100	16	20		
	2020 K0403	20	20	20	125	16	25		

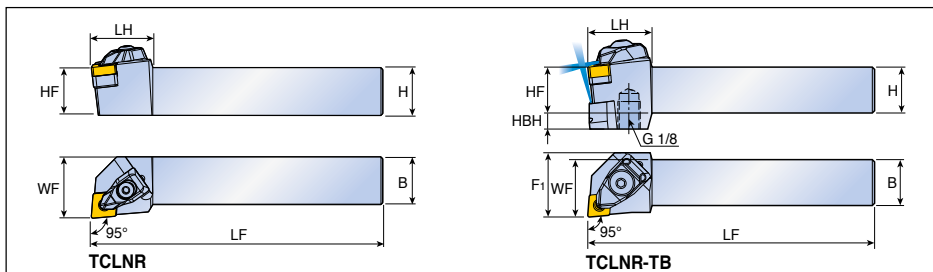
Ricambi

Descrizione	Vite	Chiave					
	...0403...	TS 25D060/HG-P	T 7P				

TCLNR/L TCLNR/L-TB

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)									Inserto
		H	HF	B	LF	LH	WF	HBH	F1		
	TCLNR/L 2020 H0904	20	20	20	100	25	25				CN... 0904... <i>RHINOTURN</i>
	2020 K0904	20	20	20	125	25	25				
	2525 M0904	25	25	25	150	25	32				
	TCLNR/L 2020 K0904-TB	20	20	20	125	28	25	7	28		
	2525 M0904-TB	25	25	25	150	28	32	7	32		

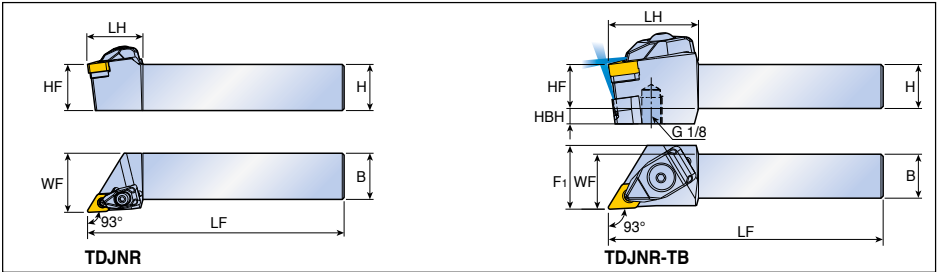
Ricambi

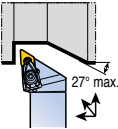
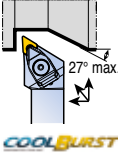
Descrizione	Staffa	Vite staffa	Molla	Guarniz. superiore	Guarniz. inferiore	Sottoplac.	Vite sottopl.	Chiave	
...0904									
	DLM 3-NX	DLS 3	DSP 3	-	-	LSC 32A	SO 400851	L-W 2.5	T 15
...0904-TB									
	DLM 3-NX-TB	BH M4x0.7x16-TB	DSP 3	O-RING ID4.47x1.78	O-RING ID6.07x1.78	LSC 32A	SO 400851	L-W 3	T 15

TDJNR/L TDJNR/L-TB










Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)									Inserto
		H	HF	B	LF	LH	WF	HBH	F1		
93° 	TDJNR/L 2020 H1305	20	20	20	100	33	25				DN... 1305...
	2020 K1305	20	20	20	125	33	25				<i>RHINO TURN</i>
	2525 M1305	25	25	25	150	36	32				
93° 	TDJNR/L 2020 K1305-TB	20	20	20	125	41	25	7	29		
	2525 M1305-TB	25	25	25	150	41	32	7	32		

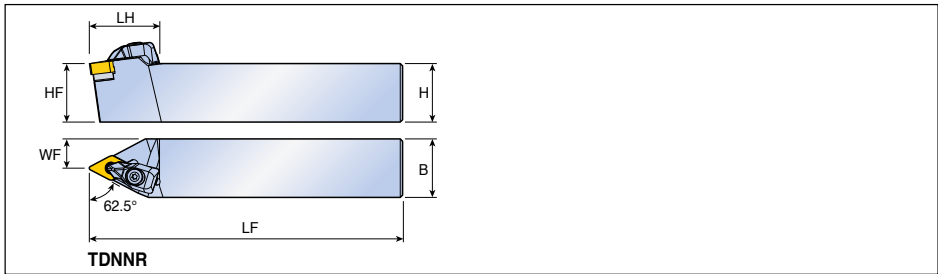
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Guarniz. superiore	Guarniz. inferiore	Sottoplacch.	Vite sottopl.	Chiave	
...1305	 DLM 3.5-NX	 DLS 4	 DSP 4	 -	 -	 LSD 3.52	 SO 50090I	 L-W 3	 T 20
...2020-TB	DLM 3.5-NX-TB	BH M5x0.8x21-MO-TB	DSP 4	O-RING ID5.28x1.78	O-RING ID7.59x2.62	LSD 3.52	SO 50090I-MO	L-W 3	T 20
...2525-TB	DLM 3.5-NX-TB	BH M5x0.8x21-MO-TB	DSP 4	O-RING ID5.28x1.78	O-RING ID7.59x2.62	LSD 3.52	SO 50090I	L-W 3	T 20

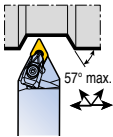
TDNNR/L

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
62.5°	TDNNR/L 2020 K1305	20	20	20	125	34	10	DN... 1305...
	2525 M1305	25	25	25	150	34	12.5	<i>RHINOTURN</i>



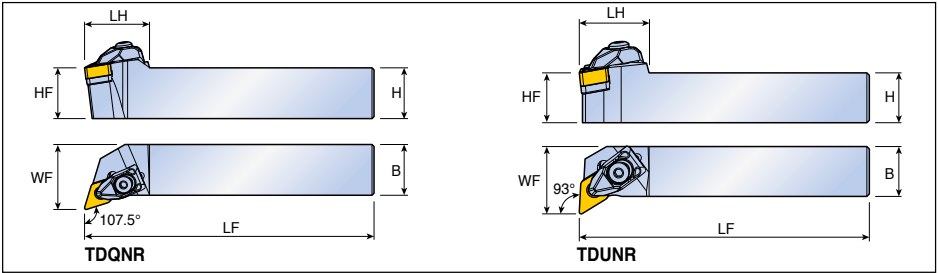
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplac.	Vite sottopl.	Chiave	
...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52	SO 500901	L-W 3	T 20

TDQNR/L TDUNR/L

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
107.5°	TDQNR/L 2020 K1305	20	20	20	125	32	25	DN... 1305... <i>RHINO TURN</i>
	2525 M1305	25	25	25	150	32	32	
93°	TDUNR/L 2020 K1305	20	20	20	125	28	27	
	2525 M1305	25	25	25	150	28	32	

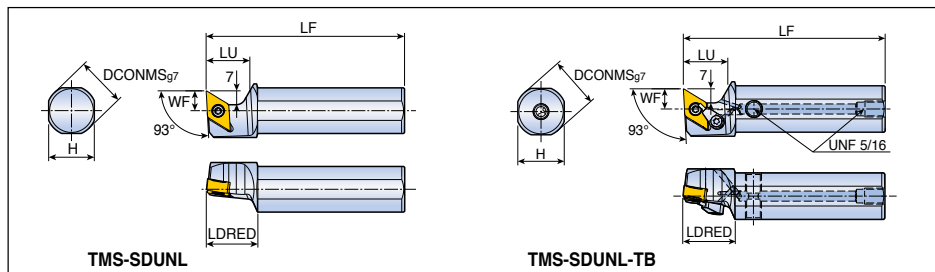
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Chiave	
...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52	SO 50090I	L-W 3	T 20

TMS-SDUNL TMS-SDUNL-TB

Utensili per esterno

Utensile con bloccaggio a vite sleeve



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	WF	LU	LDRED	
<p>93°</p>	TMS-16X SDUNL 1305	16	15	85	10	22	26	DN...1305...
	19.05H SDUNL 1305	19.05	17	100	10	22	26	
	20H SDUNL 1305	20	18	100	10	22	26	
	22H SDUNL 1305	22	20	100	10	22	26	
	25H SDUNL 1305	25	23	100	10	22	26	
<p>93°</p>	TMS-25H SDUNL 1305-TB	25	23	100	10	22	26	

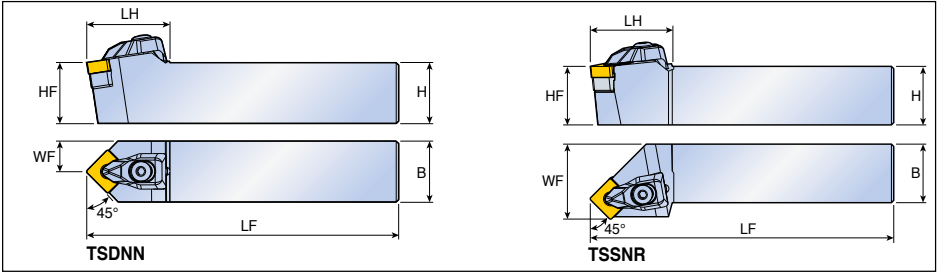
Ricambi

Descrizione	Vite	Unità di refr.	Tappo filettato	Chiave	
TMS-SDUNL	TS 40G110I	-	-	T 15	-
TMS-SDUNL-TB	TS 40G110I	S-CU-TB	PLG 5/16 UNF	T 15	L-W 5/32

TSDNN TSSNR/L

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF		
45°	TSDNN 2020 K0904	20	20	20	125	28	10	SN... 0904... RHINO TURN	
	2525 M0904	25	25	25	150	28	12.5		
45°	TSSNR/L 2020 K0904	20	20	20	125	29	25		
	2525 M0904	25	25	25	150	29	32		

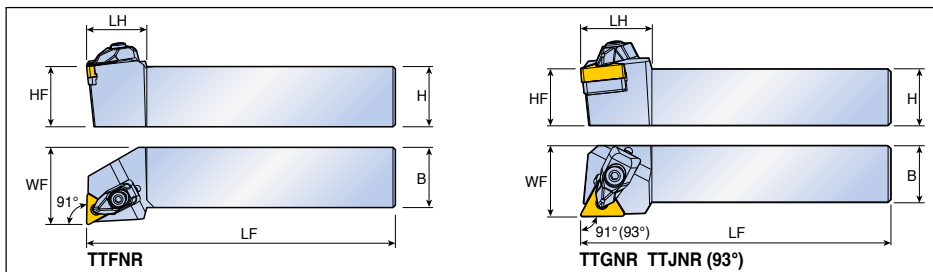
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Chiave	
...0904	DLM 3-NX	DLS 3	DSP 3	LSS 32A	SO 40085I	L-W 2.5	T 15

TTFNR/L TTGNR/L TTJNR/L

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
91°	TTFNR/L 2020 K1304	20	20	20	125	25	25	TN... 1304... <i>RHINOTURN</i>
	2525 M1304	25	25	25	150	25	32	
91° (93°)	TTGNR/L 2020 H1304	20	20	20	100	25	25	
	2020 K1304	20	20	20	125	25	25	
	2525 M1304	25	25	25	150	25	32	
	TTJNR/L 2525 M1304	25	25	25	150	25	32	

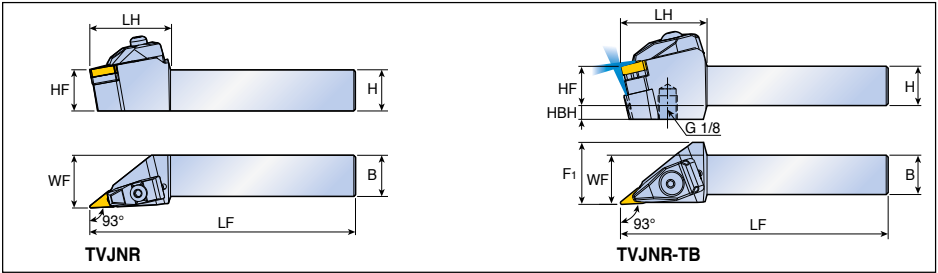
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Chiave	
...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52	SO 40085I	L-W 2.5	T 15

TVJNR/L TVJNR/L-TB

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)								Inserto
		H	HF	B	LF	LH	WF	HBH	F1	
93°	TVJNR/L 2020 K1304	20	20	20	125	42	25			VN...X 1304... YNMG 1304... RHINO TURN
	2525 M1304	25	25	25	150	42	32			
93°	TVJNR/L 2020 K1304-TB	20	20	20	125	44	25	7	31.5	
	2525 M1304-TB	25	25	25	150	44	32	7	32.0	

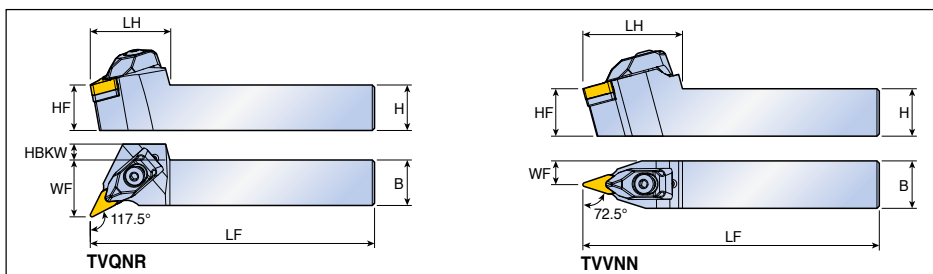
Ricambi

Descrizione	Staffa	Staffa Vite	Molla	Guarniz. superiore	Guarniz. inferiore	Sottoplac.	Vite sottoplac.	Chiave	
...1304	DLM 2.5V-NX	DLS 4	DSP 4	-	-	MSVI 2.522	SO 40085I	L-W 3	T 15
...1304-TB	DLM 2.5V-NX-TB	BH M5X 0.8X21-MO-TB	DSP 4	O-RING ID5.28x 1.78	O-RING ID7.59x 2.62	MSVI 2.522	SO 40085I	L-W 3	T 15

TVQNR/L TVVNN

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBKW	
117.5°	TVQNR/L 2020 K1304	20	20	20	125	35	25	7	VN...X 1304...
	2525 M1304	25	25	25	150	35	32	-	YNMG 1304... <i>RHINOTURN</i>
72.5°	TVVNN 2020 K1304	20	20	20	125	42	10		
	2525 M1304	25	25	25	150	42	12.5		

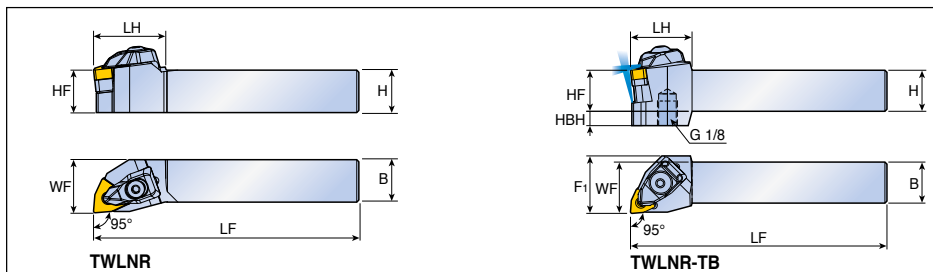
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Chiave	
...1304	DLM 2.5V-NX	DLS 4	DSP 4	MSVI 2.522	SO 400851	L-W 3	T 15

TWLNRL TWLNRL-TB

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)								Inserto
		H	HF	B	LF	LH	WF	HBH	F1	
95°	TWLNRL/L 2020 K0604	20	20	20	125	26	25			WN...X 0604... RHINO TURN
	2525 M0604	25	25	25	150	26	32			
95°	TWLNRL/L 2020 K0604-TB	20	20	20	125	30	25	7	28	
	2525 M0604-TB	25	25	25	150	30	32	7	32	

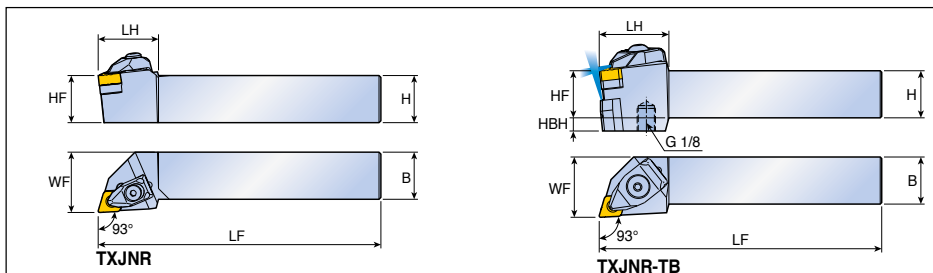
Ricambi

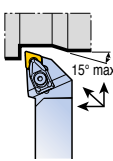
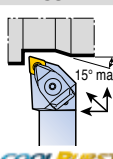
Descrizione	Staffa	Vite staffa	Molla	Guarniz. superiore	Guarniz. inferiore	Sottoplac.	Vite sottoplacch.	Chiave	
...0604	DLM 3-NX	DLS 3	DSP 3	-	-	LSW 32A	SO 40085I	L-W 2.5	T 15
...0604-TB	DLM 3-NX-TB	BH M4x0.7x 16-TB	DSP 3	O-RING ID4.47x 1.78	O-RING ID6.07x 1.78	LSW 32A	SO 40085I	L-W 3	T 15

TXJNR/L TXJNR/L-TB










Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		H	HF	B	LF	LH	WF	HBH	
93° 	TXJNR/L 2020 K0904	20	20	20	125	25	25		XNMG 0904...
	2525 M0904	25	25	25	150	25	32		RHINOXTURN
	2020 K1105	20	20	20	125	32	25		XNMG 1105...
	2525 M1105	25	25	25	150	32	32		RHINOXTURN
93° 	TXJNR/L 2525 M0904-TB	25	25	25	150	30	32	7	XNMG 0904...
	2525 M1105-TB	25	25	25	150	37	32	7	XNMG 1105...
									RHINOXTURN

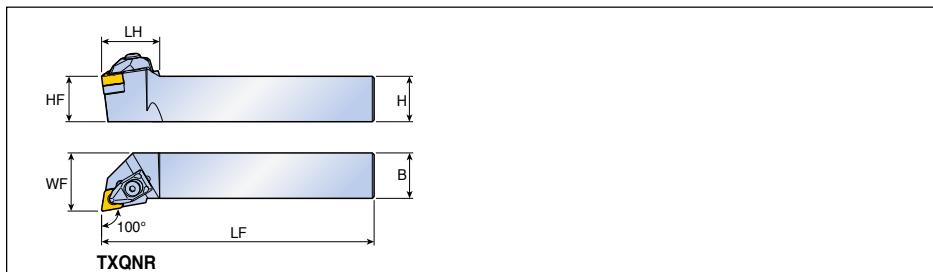
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Guarniz. superiore	Guarniz. inferiore	Sottoplacch.	Vite sottoplacch.	Chiave	
									
...0904	DLM 2.5-NX	DLS 3	DSP 3	-	-	TSX 2.73	SO 40085I	L-W 2.5	T 15
...1105	DLM 3.5-NX	DLS 4	DSP 4	-	-	TSX 3.53	SO 50090I	L-W 3	T 20
...0904-TB	DLM 3-NX-TB	BH M4x 0.7x16-TB	DSP 3	O-RING ID4.47x 1.78	O-RING ID6.07x 1.78	TSX 2.73	SO 40085I	L-W 3	T 15
...1105-TB	DLM 3.5-NX-TB	BH M5x0.8x 21-MO-TB	DSP 4	O-RING ID5.28x 1.78	O-RING ID7.59x 2.62	TSX 3.53	SO 50090I	L-W 3	T 20

TXQNR/L

Utensili per esterno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
100°	TXQNR/L 2020 K0904	20	20	20	125	25	25	XNMG 0904...
	2525 M0904	25	25	25	150	25	32	RHINO TURN
	2020 K1105	20	20	20	125	30	25	XNMG 1105...
	2525 M1105	25	25	25	150	32	32	RHINO TURN

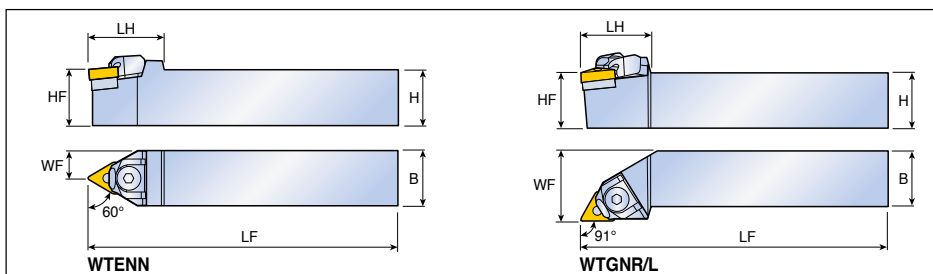
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Chiave	
...0904	DLM 2.5-NX	DLS 3	DSP 3	TSX 2.73	SO 40085I	L-W 2.5	T 15
...1105	DLM 3.5-NX	DLS 4	DSP 4	TSX 3.53	SO 50090I	L-W 3	T 20

WTENN WTGNR/L

Utensili per esterno

Utensile con bloccaggio a cuneo



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		H	HF	B	LF	LH	WF	
60°	WTENN 2020 K1304	20	20	20	125	28	10.0	TN... 1304... <i>RHINO TURN</i>
	2525 M1304	25	25	25	150	28	12.5	
91°	WTGNR/L 2020 K1304	20	20	20	125	27	25	
	2525 M1304	25	25	25	150	27	32	

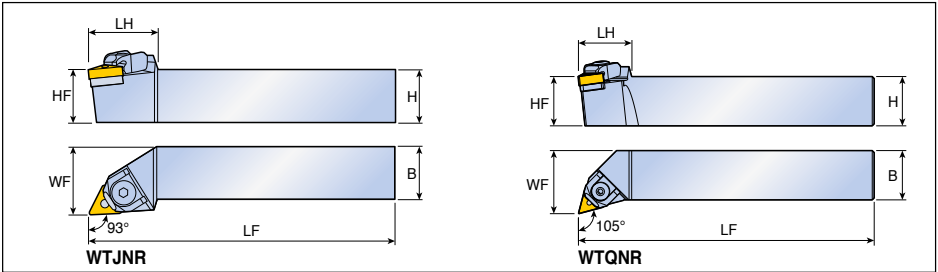
Ricambi

Descrizione	Cuneo	Vite	Anello	Sottoplacch.	Perno a vite	Chiave	
...1304	WC 2.53	WCS 2.5	CSR 2	WST 2.52	WSS 2.52	L-W 2.5	

WTJNR/L WTQNR/L

Utensili per esterno

Utensile con bloccaggio a cuneo



Angolo di attacco	Descrizione	Dimensioni (mm)						Insero
		H	HF	B	LF	LH	WF	
93°	WTJNR/L 2020 K1304	20	20	20	125	27	25	TN... 1304... RHINO TURN
	2525 M1304	25	25	25	150	27	32	
105°	WTQNR/L 2020 K1304	20	20	20	125	27	25	
	2525 M1304	25	25	25	150	27	32	

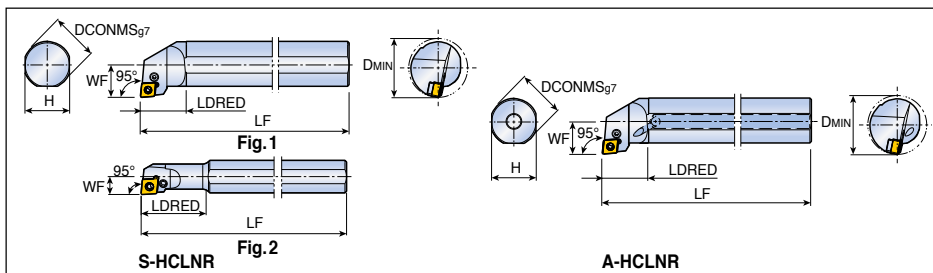
Ricambi

Descrizione	Cuneo	Vite	Anello	Sottoplacch.	Perno a vite	Chiave	
...1304	WC 2.53	WCS 2.5	CSR 2	WST 2.52	WSS 2.52	L-W 2.5	

S-HCLNR/L A-HCLNR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Fig.	Inserto
		DCONMS	H	LF	LDRED	WF	DMIN		
 95°	S16Q HCLNR/L 0904	16	15	180	25	11	20	1	CN... 0904...
	S20Q HCLNR/L 0904	20	18	180	28	13	25	1	
	S20Q HCLNR/L 0904-D20	20	18	180	40	11	20	2	
	S25R HCLNR/L 0904	25	23	200	31	17	32	1	
	S32S HCLNR/L 0904	32	30	250	31	22	40	1	
	S40T HCLNR/L 0904	40	37	300	55	27	50	1	
 95°	A16Q HCLNR/L 0904	16	15	180	25	11	20		
	A20Q HCLNR/L 0904	20	18	180	28	13	25		
	A25R HCLNR/L 0904	25	23	200	31	17	32		
	A32S HCLNR/L 0904	32	30	250	31	22	40		

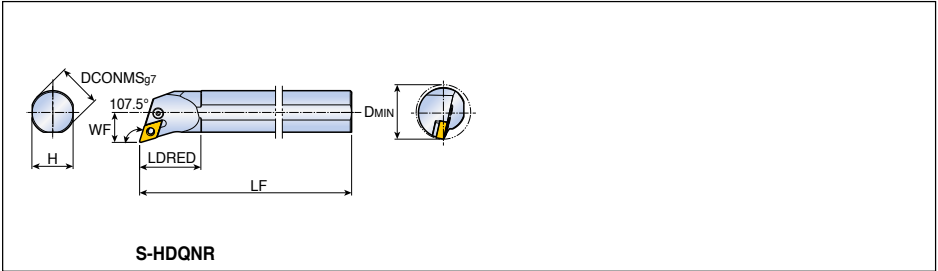
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elastico	Anello	Chiave	
S ...0904	LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	
S ...0904...D	LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	
S32S ...0904	LCL 09-NX	LCS 3	LSC 32	LSP 3A	-	L-W 2.5	
S40T ...0904	LCL 09-NX	LCS 3	LSC 32	LSP 3A	-	L-W 2.5	
A ...0904	LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	
A32S ...0904	LCL 09-NX	LCS 3	LSC 32	LSP 3A	-	L-W 2.5	

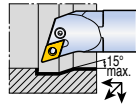
S-HDQNR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		DCONMS	H	LF	LDRED	WF	DMIN		
107.5°	S32S HDQNR/L1305	32	30	250	45	22	40	DN... 1305... <i>RHINOTURN</i>	



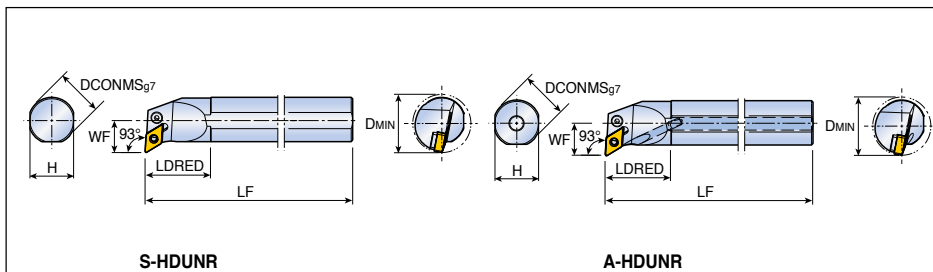
Ricambi

Descrizione	Leva 	Vite 	Sottoplacch. 	Perno elas. 	Chiave 			
...1305	LCL 11-NX	LSC 4S	LSD 3.52B	LSP 4	L-W 3			

S-HDUNR/L A-HDUNR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	S32S HDUNR/L1305	32	30	250	45	22	40	DN... 1305... <i>RHINOTURN</i>
	S40T HDUNR/L1305	40	37	300	55	27	50	
93°	A32S HDUNR/L1305	32	30	250	45	22	40	
	A40T HDUNR/L1305	40	37	300	55	27	50	

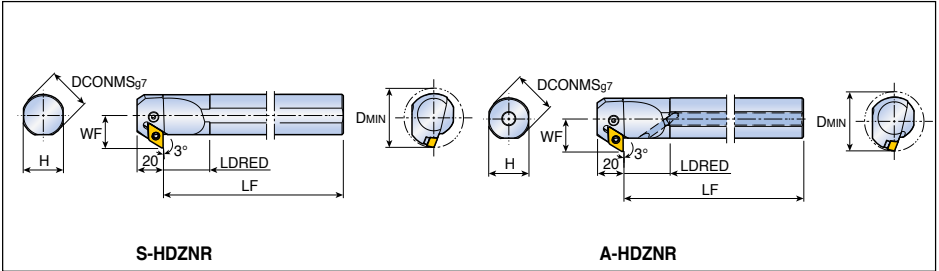
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elas.	Chiave			
...1305	LCL 11-NX	LCS 4S	LSD 3.52B	LSP 4	L-W 3			

S-HDZNR/L A-HDZNR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		DCONMS	H	LF	LDRED	WF	DMIN		
93°	S32S HDZNR/L1305	32	30	250	35	25	45	DN... 1305... <i>RHINO TURN</i>	
	S40T HDZNR/L1305	40	37	300	40	29	50		
93°	A32S HDZNR/L1305	32	30	250	35	25	45		
	A40T HDZNR/L1305	40	37	300	40	29	50		

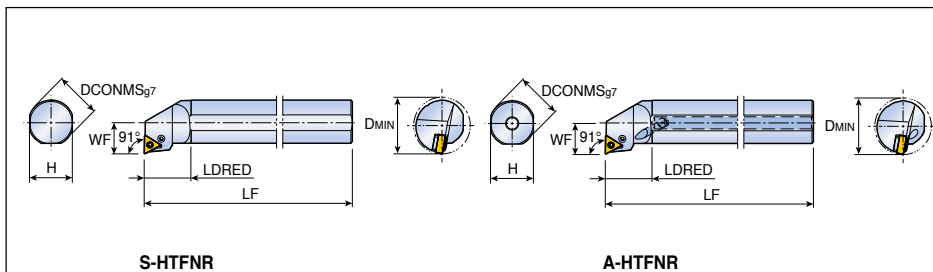
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elas.	Chiave			
...1305	LCL 11-NX	LCS 4S	LSD 3.52B	LSP 4	L-W 3			

S-HTFNR/L A-HTFNR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
91°	S16Q HTFNR/L 1304	16	15	180	25	11	20	TN... 1304... <i>RHINOTURN</i>
	S20Q HTFNR/L 1304	20	18	180	28	13	25	
	S25R HTFNR/L 1304	25	23	200	33	17	32	
	S32S HTFNR/L 1304	32	30	250	33	22	40	
91°	A16Q HTFNR/L 1304	16	15	180	25	11	20	
	A20Q HTFNR/L 1304	20	18	180	28	13	25	
	A25R HTFNR/L 1304	25	23	200	33	17	32	
	A32S HTFNR/L 1304	32	30	250	33	22	40	

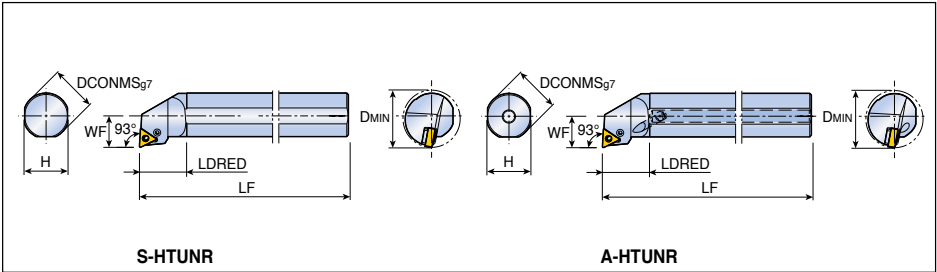
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elas.	Anello	Chiave		
...1304	LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2		
...32S...1304	LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5		

S-HTUNR/L A-HTUNR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	S16Q HTUNR/L 1304	16	15	180	25	11	20	TN... 1304... RHINOTURN
	S20Q HTUNR/L 1304	20	18	180	28	13	25	
	S25R HTUNR/L 1304	25	23	200	33	17	32	
	S32S HTUNR/L 1304	32	30	250	33	22	40	
93°	A16Q HTUNR/L 1304	16	15	180	25	11	20	
	A20Q HTUNR/L 1304	20	18	180	28	13	25	
	A25R HTUNR/L 1304	25	23	200	33	17	32	
	A32S HTUNR/L 1304	32	30	250	33	22	40	

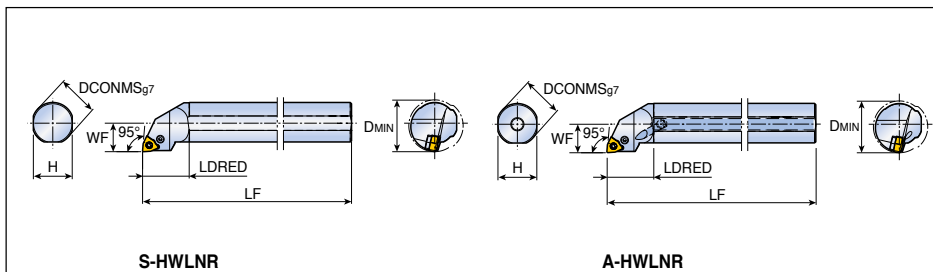
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elas.	Anello	Chiave		
...1304	LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2		
...32S...1304	LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5		

S-HWLNLR/L A-HWLNLR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	S16Q HWLNLR/L 0604	16	15	180	30	11	20	WN...X 0604... RHINO TURN
	S20Q HWLNLR/L 0604	20	18	180	33	13	25	
	S25R HWLNLR/L 0604	25	23	200	36	17	32	
	S32S HWLNLR/L 0604	32	30	250	36	22	40	
95°	A16Q HWLNLR/L 0604	16	15	180	30	11	20	
	A20Q HWLNLR/L 0604	20	18	180	33	13	25	
	A25R HWLNLR/L 0604	25	23	200	36	17	32	
	A32S HWLNLR/L 0604	32	30	250	36	22	40	

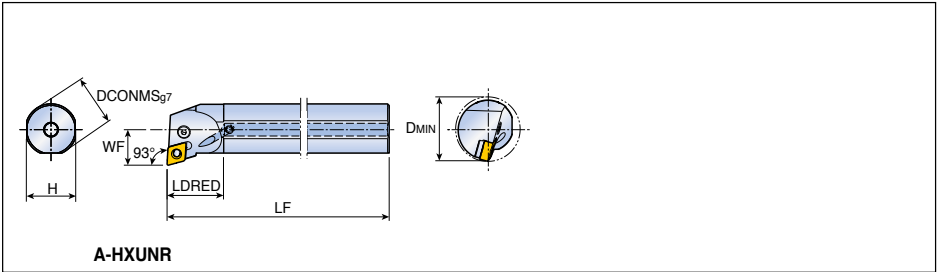
Ricambi

Descrizione	Leva	Vite	Sottoplacch.	Perno elas.	Anello	Chiave		
...0604	LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2		
...32S ...0604	LCL 09-NX	LCS 3	LSW 32	LSP 3A	-	L-W 2.5		

A-HXUNR/L

Utensili per interno

Utensile con bloccaggio a leva ad uncino



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	A32S HXUNR/L 1105	32	30	250	35	22	40	XNMG 1105... <i>RHINO TURN</i>

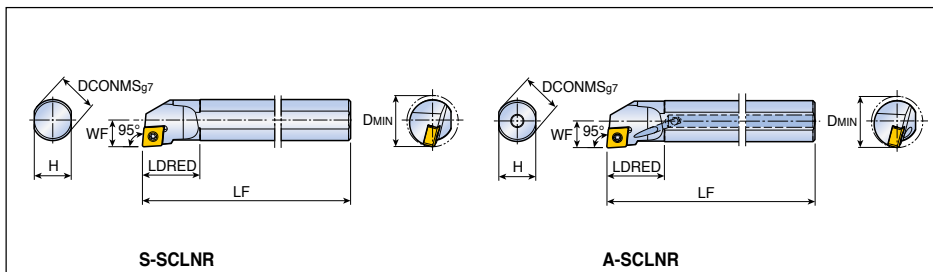
Ricambi

Descrizione	Leva 	Vite 	Sottoplacch. 	Perno elas. 	Chiave 			
...1105	LCL 11-NX	LCS 4S	LSX 3.52B	LSP 4	L-W 3			

S-SCLNR/L A-SCLNR/L

Utensili per interno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		DCONMS	H	LF	LDRED	WF	DMIN		
 95°	S16Q SCLNR/L 0904	16	15	180	25	11	20	CN... 0904... 	
	S20Q SCLNR/L 0904	20	18	180	28	13	25		
	S20Q SCLNR/L 0904-D20	20	18	180	40	11	20		
 95°	A12M SCLNR/L 0703	12	11	150	21.5	9	16	CNMX 0703...	
	A16Q SCLNR/L 0703	16	15	180	24.5	11	20		
	A16Q SCLNR/L 0904	16	15	180	25	11	20	CN... 0904...	
	A20Q SCLNR/L 0904	20	18	180	28	13	25		

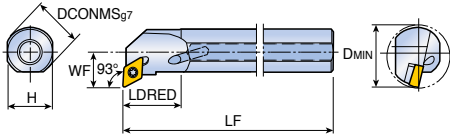
Ricambi

Descrizione	Vite	Chiave				
...0703	TS 25D060/HG-P	T 7P				
...0904	TS 350831/HG	T 10				

A-SDUNR/L

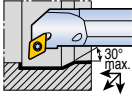
Utensili per interno

Utensile con bloccaggio a vite



A-SDUNR

Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	A12M SDUNR/L 0803	12	11	150	21.5	9	16	DN...X 0803... RHINO TURN
	A16Q SDUNR/L 0803	16	15	180	24.5	11	20	



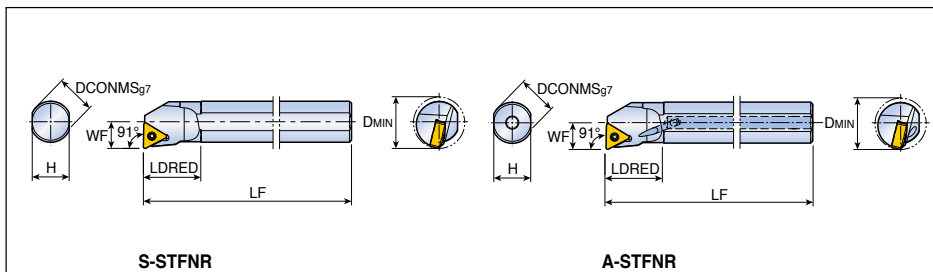
Ricambi

Descrizione	Vite	Chiave					
...0803	TS 25D060/HG-P	T 7P					

S-STFNR/L A-STFNR/L

Utensili per interno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)						Insero
		DCONMS	H	LF	LDRED	WF	DMIN	
91°	S16Q STFNR/L 1304	16	15	180	25	11	20	TN... 1304... <i>RHINOTURN</i>
	S20Q STFNR/L 1304	20	18	180	28	13	25	
91°	A16Q STFNR/L 1304	16	15	180	25	11	20	
	A20Q STFNR/L 1304	20	18	180	28	13	25	

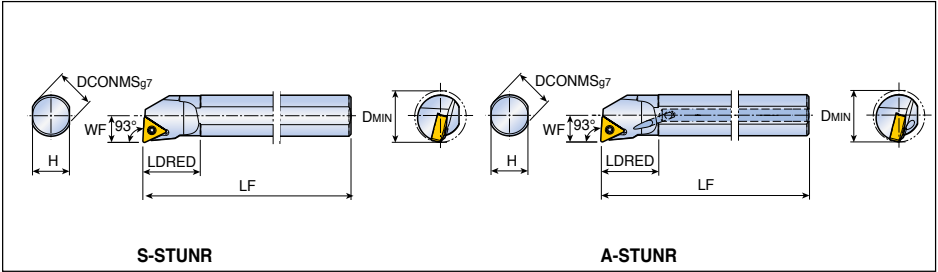
Ricambi

Descrizione	Vite	Chiave					
...1304	TS 30080/HG	T 9					

S-STUNR/L A-STUNR/L

Utensili per interno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)						Insero
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	S16Q STUNR/L 1304	16	15	180	25	11	20	TN... 1304... <i>RHINO TURN</i>
	S20Q STUNR/L 1304	20	18	180	28	13	25	
93°	A16Q STUNR/L 1304	16	15	180	25	11	20	
	A20Q STUNR/L 1304	20	18	180	28	13	25	

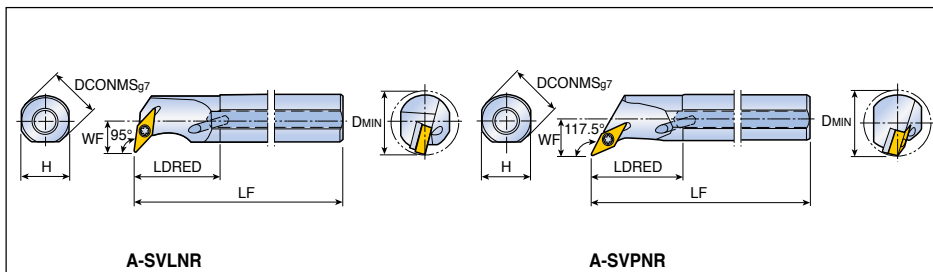
Ricambi

Descrizione	Vite	Chiave					
	...1304	TS 30080/HG	T 9				

A-SVLNR/L A-SVPCR/L

Utensili per interno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	A25T SVLNR/L 1304	25	23	300	40	16	31	VN...X 1304...
	A32T SVLNR/L 1304	32	30	300	45	20	38	YNMG 1304...
117.5°	A25T SVPNR/L 1304	25	23	300	45	19	33	RHINO TURN
	A32T SVPNR/L 1304	32	30	300	47	26	44	

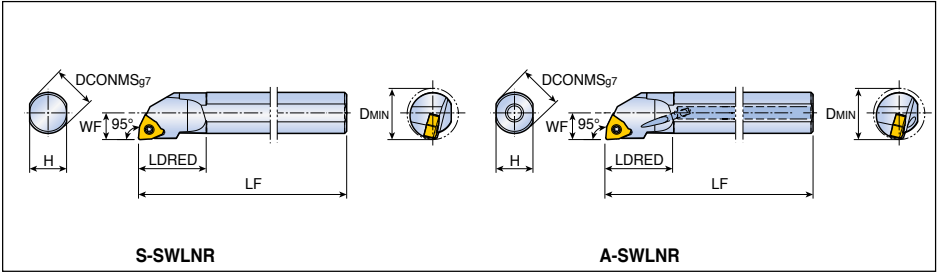
Ricambi

Descrizione	Vite	Sottoplacch.	Vite sottoplac.	Chiave			
..1304	TS 30120/HG	SSVN 2.523	TS 5030062S	T 9	L-W 3.5		

S-SWLNR/L A-SWLNR/L

Utensili per interno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	S16Q SWLNR/L 0604	16	15	180	30	11	20	WN...X 0604... RHINOTURN
	S20Q SWLNR/L 0604	20	18	180	33	13	25	
95°	A12M SWLNR/L 0403	12	11	150	21.5	9	16	WNMX 0403...
	A16Q SWLNR/L 0403	16	15	180	24.5	11	20	RHINOTURN
	A16Q SWLNR/L 0604	16	15	180	30	11	20	WNMX 0604..
	A20Q SWLNR/L 0604	20	18	180	33	13	25	RHINOTURN

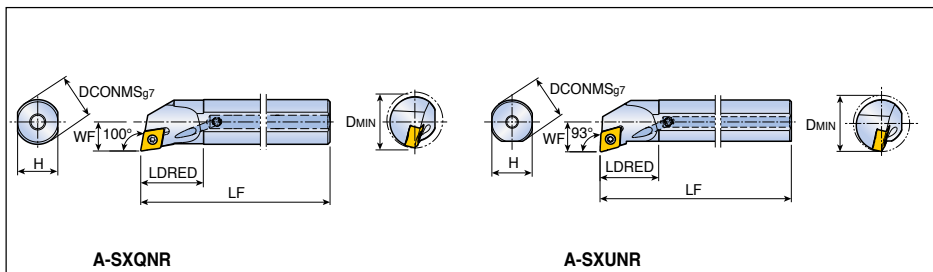
Ricambi

Descrizione	Vite	Chiave				
	...0403	TS 25D060/HG-P	T 7P			
...0604	TS 35083/HG	T 10				

A-SXQNR/L A-SXUNR/L



Utensili per interno

Utensile con bloccaggio a vite



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
100°	A16Q SXQNR/L 0904	16	15	180	24.5	11	20	XNMG 0904...
	A20Q SXQNR/L 0904	20	18	180	28	13	25	RHINOXTURN
	A20Q SXQNR/L 1105	20	18	180	28	13	25	XNMG 1105... RHINOXTURN
93°	A25R SXUNR/L 1105	25	23	200	33.4	17	32	

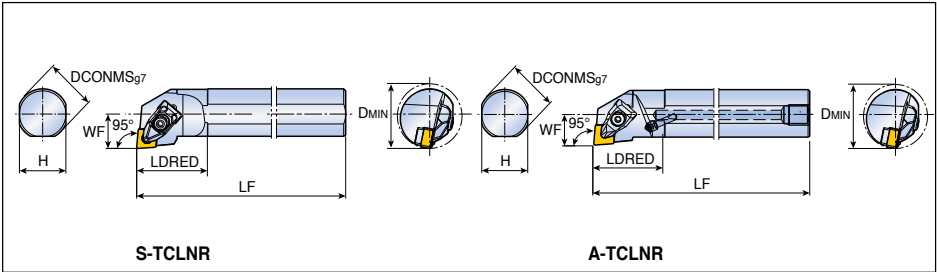
Ricambi

Descrizione	Vite	Chiave				
						
...0904	TS 30080/HG	T 9				
...1105	TS 40G110I	T 15				

S-TCLNR/L A-TCLNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	S25R TCLNR/L 0904	25	23	200	35	17	32	CN... 0904... RHINOTURN
	S32S TCLNR/L 0904	32	30	250	35	22	40	
	S40T TCLNR/L 0904	40	37	300	45	27	50	
95°	A25R TCLNR/L 0904	25	23	200	35	17	32	
	A32S TCLNR/L 0904	32	30	250	35	22	40	

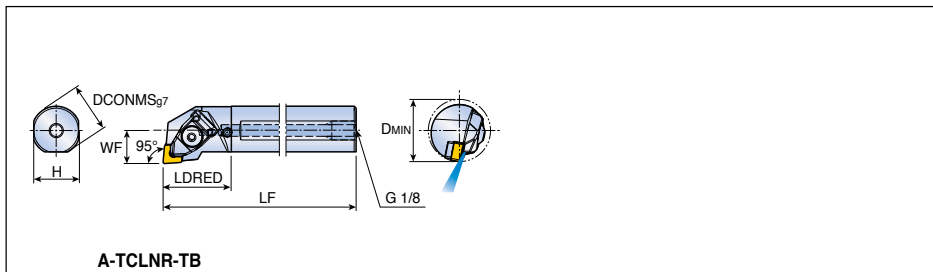
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
S25R ...0904	DLM 3-NX	DLS 3	DSP 3	LSC 32	SO 400731	-	L-W 2.5	T 15
S32S,S40T...0904	DLM 3-NX	DLS 3	DSP 3	LSC 32	SO 400851	-	L-W 2.5	T 15
A25R...0904	DLM 3-NX	DLS 3	DSP 3	LSC 32	SO 400731	NZ 62	L-W 2.5	T 15
A32S...0904	DLM 3-NX	DLS 3	DSP 3	LSC 32	SO 400851	NZ 62	L-W 2.5	T 15

A-TCLNR/L-TB

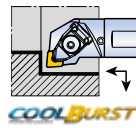
Utensili per interno

Utensile con bloccaggio T-Holder con refrigerazione ad alta pressione



A-TCLNR-TB

Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	A25R TCLNR/L 0904-TB	25	23	200	35	17	32	CN... 0904...
	A32S TCLNR/L 0904-TB	32	30	250	35	22	40	RHINO TURN



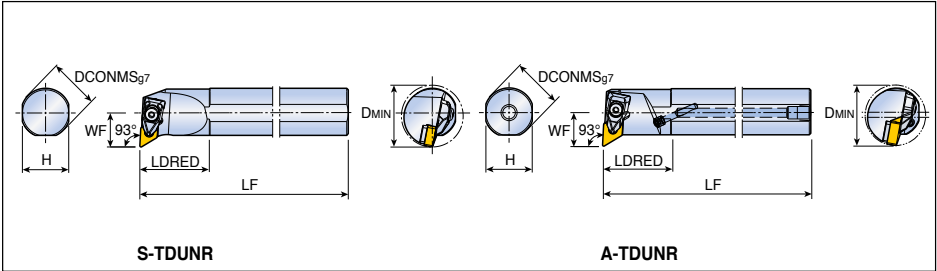
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Guarniz. superiore	Guarniz. inferiore	Sottoplac.	Vite sottoplacch.	Chiave	
...0904-TB	DLM 3-NX-TB	BH M4x0.7x16-TB	DSP 3	O-RING ID4.47x1.78	O-RING ID6.07x1.78	LSC 32	SO 400731	L-W 3	T 15

S-TDUNR/L A-TDUNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	S32S TDUNR/L 1305	32	30	250	45	22	40	DN... 1305... <i>RHINO TURN</i>
	S40T TDUNR/L 1305	40	37	300	55	27	50	
93°	A32S TDUNR/L 1305	32	30	250	45	22	40	
	A40T TDUNR/L 1305	40	37	300	55	27	50	

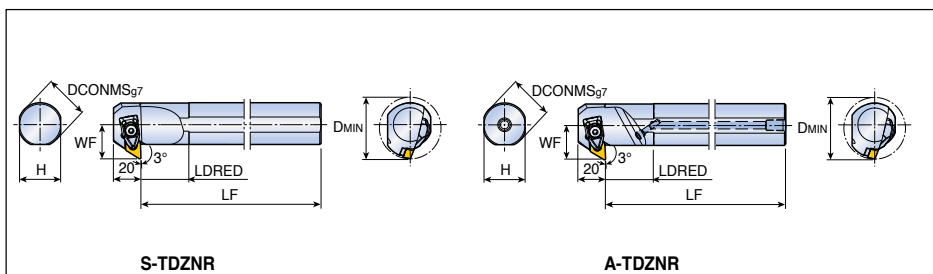
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
S ...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52B	TS 50A105I	-	L-W 3	T 20
A32S...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52B	TS 50A105I	NZ 62	L-W 3	T 20
A40T...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52B	TS 50A105I	NZ 104	L-W 3	T 20

S-TDZNR/L A-TDZNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	S32S TDZNR/L 1305	32	30	250	35	25	45	DN... 1305... <i>RHINOTURN</i>
	S40T TDZNR/L 1305	40	37	300	40	29	50	
93°	A32S TDZNR/L 1305	32	30	250	35	25	45	
	A40T TDZNR/L 1305	40	37	300	40	29	50	

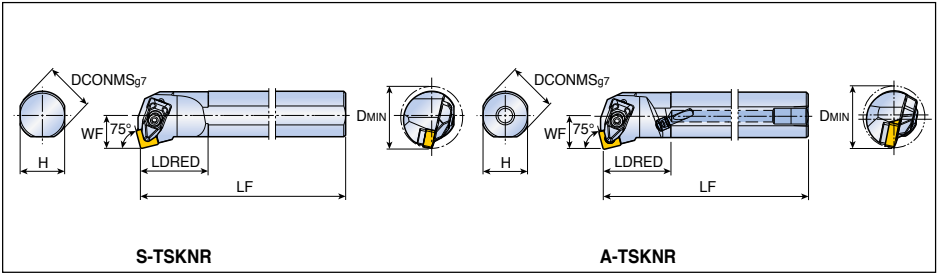
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
S ...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52B	TS 50A105I	-	L-W 3	T 20
A32S...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52B	TS 50A105I	NZ 62	L-W 3	T 20
A40T ...1305	DLM 3.5-NX	DLS 4	DSP 4	LSD 3.52B	TS 50A105I	NZ 104	L-W 3	T 20

S-TSKNR/L A-TSKNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
75°	S25R TSKNR/L 0904	25	23	200	35	17	32	SN... 0904... <i>RHINOTURN</i>
	S32S TSKNR/L 0904	32	30	250	35	22	40	
75°	A25R TSKNR/L 0904	25	23	200	35	17	32	
	A32S TSKNR/L 0904	32	30	250	35	22	40	

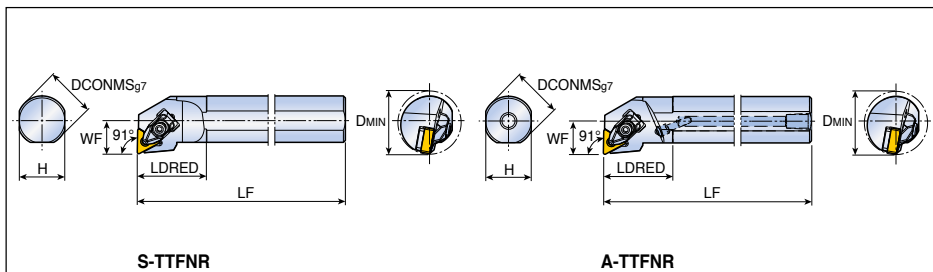
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
S25R...0904	DLM 3.5-NX	DLS 3	DSP 3	LSS 32	SO 40073I	-	L-W 2.5	T 15
S32S...0904	DLM 3.5-NX	DLS 3	DSP 3	LSS 32	SO 40085I	-	L-W 2.5	T 15
A25R...0904	DLM 3.5-NX	DLS 3	DSP 3	LSS 32	SO 40073I	NZ 62	L-W 2.5	T 15
A32S...0904	DLM 3.5-NX	DLS 3	DSP 3	LSS 32	SO 40085I	NZ 62	L-W 2.5	T 15

S-TTFNR/L A-TTFNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
91°	S25R TTFNR/L 1304	25	23	200	35	17	32	TN... 1304... <i>RHINOTURN</i>
	S32S TTFNR/L 1304	32	30	250	35	22	40	
91°	A25R TTFNR/L 1304	25	23	200	35	17	32	
	A32S TTFNR/L 1304	32	30	250	35	22	40	

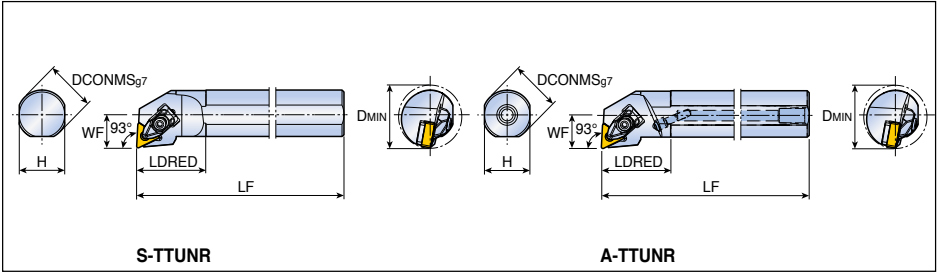
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
S25R...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40073I	-	L-W 2.5	T 15
S32S...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40085I	-	L-W 2.5	T 15
A25R...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40073I	NZ 62	L-W 2.5	T 15
A32S...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40085I	NZ 62	L-W 2.5	T 15

S-TTUNR/L A-TTUNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)							Inserto
		DCONMS	H	LF	LDRED	WF	DMIN		
93°	S25R TTUNR/L 1304	25	23	200	35	17	32	TN... 1304... RHINOTURN	
	S32S TTUNR/L 1304	32	30	250	35	22	40		
93°	A25R TTUNR/L 1304	25	23	200	35	17	32		
	A32S TTUNR/L 1304	32	30	250	35	22	40		

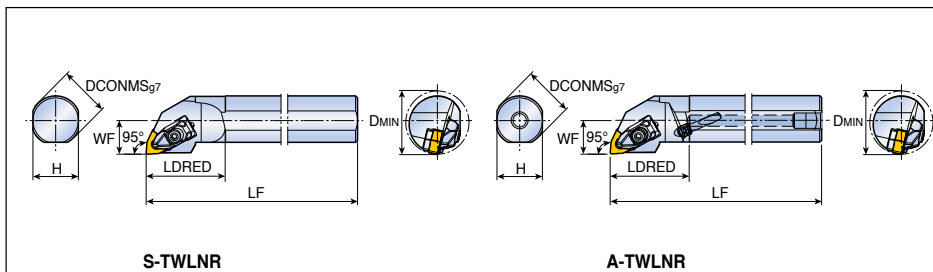
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
S25R...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40073I	-	L-W 2.5	T 15
S32S...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40085I	-	L-W 2.5	T 15
A25R...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40073I	NZ 62	L-W 2.5	T 15
A32S...1304	DLM 2.5-NX	DLS 3	DSP 3	LST 2.52B	SO 40085I	NZ 62	L-W 2.5	T 15

S-TWLNR/L A-TWLNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	S25R TWLNR/L 0604	25	23	200	40	17	32	WN...X 0604... RHINOTURN
	S32S TWLNR/L 0604	32	30	250	45	22	40	
95°	A25R TWLNR/L 0604	25	23	200	40	17	32	
	A32S TWLNR/L 0604	32	30	250	45	22	40	

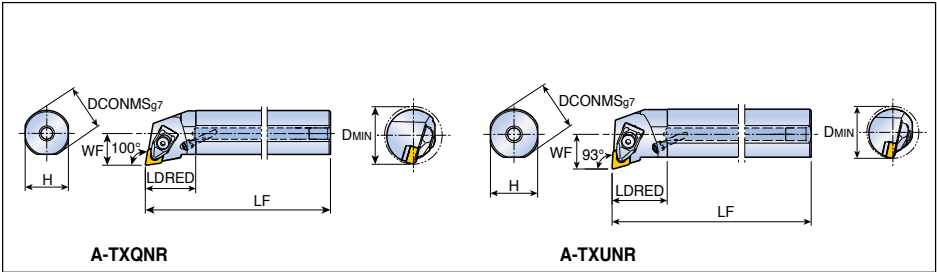
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
S25R...0604	DLM 3-NX	DLS 3	DSP 3	LSW 32	SO 40073I	-	L-W 2.5	T 15
S32S...0604	DLM 3-NX	DLS 3	DSP 3	LSW 32	SO 40085I	-	L-W 2.5	T 15
A25R...0604	DLM 3-NX	DLS 3	DSP 3	LSW 32	SO 40073I	NZ 62	L-W 2.5	T 15
A32S...0604	DLM 3-NX	DLS 3	DSP 3	LSW 32	SO 40085I	NZ 62	L-W 2.5	T 15

A-TXQNR/L A-TXUNR/L

Utensili per interno

Utensile con bloccaggio T-Holder



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
100°	A25R TXQNR/L 1105	25	23	200	33.4	17	32	XNMG 1105... <i>RHINO TURN</i>
	A32S TXQNR/L 1105	32	30	250	35	22	40	
93°	A32S TXUNR/L 1105	32	30	250	35	22	40	

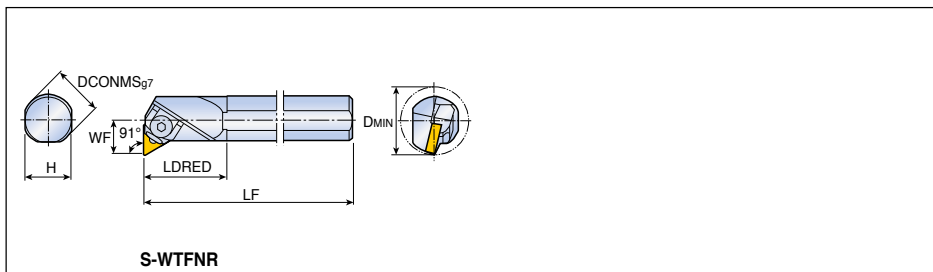
Ricambi

Descrizione	Staffa	Vite staffa	Molla	Sottoplacch.	Vite sottopl.	Ugello	Chiave	
A25R...1105	DLM 3.5-NX	DLS 4	DSP 4	-	-	NZ 62	L-W 3	-
A32S...1105	DLM 3.5-NX	DLS 4	DSP 4	LSX 3.52B	TS 50A105I	NZ 62	L-W 3	T 20

S-WTFNR/L

Utensili per interno

Utensile con bloccaggio a cuneo



Angolo di attacco	Descrizione	Dimensioni (mm)						Inserto
		DCONMS	H	LF	LDRED	WF	DMIN	
91°	S25R WTFNR/L 1304	25	23	200	40	17	32	TN... 1304...
	S32S WTFNR/L 1304	32	30	250	45	22	40	RHINOTURN

Ricambi

Descrizione	Cuneo	Vite	Anello	Sottoplacch.	Vite perno	Chiave	
S25R...1304	WC 2.53	WCS 2.5	CSR 2	-	WSS 2.52-1	L-W 2.5	
S32S...1304	WC 2.53	WCS 2.5	CSR 2	WST 2.52	WSS 2.52	L-W 2.5	

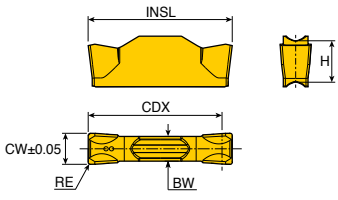


RHINO GROOVE



RDC

Inserti bilaterali per troncatura e scanalatura esterna con rompitruciolo tipo C



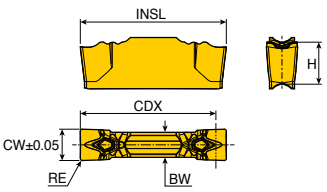
Misura	Dimensioni (mm)					
	CW	RE	BW	INSL	H	CDX
2	2.0	0.20	1.7	14.0	4.0	13
3	3.0	0.20	2.4	14.0	4.0	13
4	4.0	0.30	3.0	14.0	4.0	13
5	5.0	0.30	4.0	17.5	5.1	17

Inserto	Descrizione	Misura sede	Avanzamento (mm/giro)	Rivestito		
				TT9080	TT7220	TT8020
	RDC 2	2	0.05-0.18	●	●	●
	3	3	0.07-0.25	●	●	●
	4	4	0.08-0.30	●	●	●
	5	5	0.09-0.35	●	●	●

● : Standard

RDJ

Inserti bilaterali per troncatura e scanalatura esterna con rompitruciolo tipo J



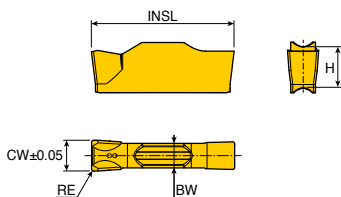
Misura	Dimensioni (mm)					
	CW	RE	BW	INSL	H	CDX
2	2.0	0.20	1.7	14.0	4.0	13
3	3.0	0.20	2.4	14.0	4.0	13
4	4.0	0.30	3.0	14.0	4.0	13
5	5.0	0.30	4.0	17.5	5.2	17

Inserto	Descrizione	Misura sede	Avanzamento (mm/giro)	Rivestito		
				TT9080	TT7220	TT8020
	RDJ 2	2	0.04-0.12	●	●	●
	3	3	0.04-0.16	●	●	●
	4	4	0.05-0.18	●	●	●
	5	5	0.05-0.20	●	●	●


● : Standard

RSC

Inserti monolaterali per troncatura e scanalatura esterna profonda con rompitruciolo tipo C



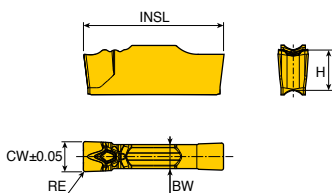
Misura	Dimensioni (mm)				
	CW	RE	BW	INSL	H
2	2.0	0.20	1.6	14.0	4.0
3	3.0	0.20	2.4	14.0	4.0
4	4.0	0.30	3.0	14.0	4.0
5	5.0	0.30	4.0	17.5	5.1

Inserto	Descrizione	Misura sede	Avanzamento (mm/giro)	Rivestito		
				TT9080	TT7220	TT8020
	RSC 2	2	0.05-0.18	●	●	●
	3	3	0.07-0.25	●	●	●
	4	4	0.08-0.30	●	●	●
	5	5	0.09-0.35	●	●	●


● : Standard

RSJ

Inserti monolaterali per troncatura e scanalatura esterna profonda con rompitruciolo tipo J



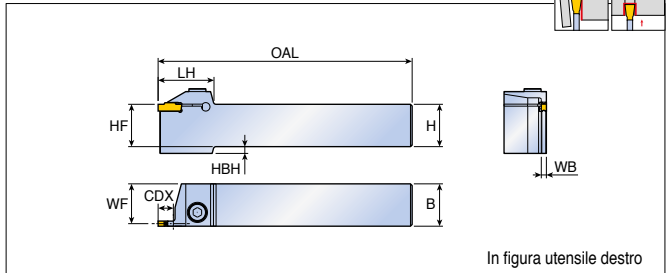
Misura	Dimensioni (mm)				
	CW	RE	BW	INSL	H
2	2.0	0.20	1.6	14.0	4.0
3	3.0	0.20	2.4	14.0	4.0
4	4.0	0.30	3.0	14.0	4.0
5	5.0	0.30	4.0	17.5	5.1

Inserto	Descrizione	Misura sede	Avanzamento (mm/giro)	Rivestito		
				TT9080	TT7220	TT8020
	RSJ 2	2	0.04-0.12	●	●	●
	3	3	0.04-0.16	●	●	●
	4	4	0.05-0.18	●	●	●
	5	5	0.05-0.20	●	●	●

● : Standard



RGER/L

Utensile per troncatura e scanalatura esterna



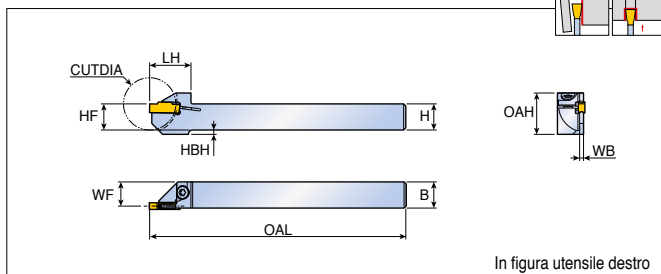
Descrizione	Misura sede	Dimensioni (mm)								Coppia (N.m)	Inserto
		H(HF)	B	OAL	WF	LH	WB	HBH	CDX		
RGER/L 1616-2T16	2	16	16	110	15.1	35	1.8	4	16	8.0	RDC/J RSC/J
2020-2T16	2	20	20	125	19.1	35	1.8	-	16	8.0	
2525-2T16	2	25	25	150	24.1	35	1.8	-	16	8.0	
1616-3T16	3	16	16	110	14.8	35	2.4	4	16	8.0	
2020-3T16	3	20	20	125	18.8	35	2.4	-	16	8.0	
2525-3T16	3	25	25	150	23.8	35	2.4	-	16	8.0	
2020-4T16	4	20	20	125	18.5	35	3.0	-	16	8.0	
2525-4T16	4	25	25	150	23.5	35	3.0	-	16	8.0	
2020-5T20	5	20	20	125	18.1	37	3.85	-	20	8.0	
2525-5T20	5	25	25	150	23.1	37	3.85	-	20	8.0	

Ricambi

Descrizione	Vite	Chiave		
				
RGER/L 16/20	SH M6x1x20	L-W 5		
RGER/L 25	SH M6x1x25	L-W 5		



RGER/L-SH

Utensile per troncatura e scanalatura esterna poco profonda per torni svizzeri



Descrizione	Misura sede	Dimensioni (mm)									Coppia (Nxm)	Inserto
		H(HF)	B	OAL	WF	LH	WB	OAH	HBH	CUTDIA		
RGER/L 12-24-2SH	2	12	12	125	11.1	19	1.8	19.0	2	24	2.0	RDC/J RSC/J
16-24-2SH	2	16	16	125	15.1	24	1.8	21.0	-	24	2.0	
12-24-3SH	3	12	12	125	10.8	19	2.4	19.0	2	24	2.0	
14-24-3SH	3	14	14	125	12.8	19	2.4	19.0	-	24	2.0	
16-24-3SH	3	16	16	125	14.8	19	2.4	21.0	-	24	2.0	

Ricambi

Descrizione	Vite 	Chiave 		
RGER/L-SH	TS 40A115I	T 15		

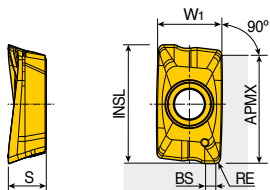


RHINO MILL





APKT 1604

Inserti



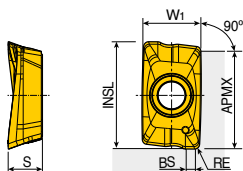
Misura	Dimensioni (mm)					
	INSL	W1	S	APMX	BS	RE
1604-REM	17.3	9.5	5.26	15	1.5	0.8
1604-RRE	17.3	9.6	5.56	15	1.5	0.8

Inserto	Descrizione	Condizioni di taglio raccomandate		Rivestito					
		ap (mm)	Avanz. (mm/z)	TT9080	TT9030	TT8080	TT8020	TT6080	TT7080
	APKT 1604-REM	3.0 - 14.5	0.18 - 0.10	●		●	●	●	●
	APKT 1604-RRE *	3.0 - 14.5	0.20 - 0.12	●		●	●	●	●


- -REM: RHINO geometria media
- -RRE: RHINO geometria media rinforzata
- *: Design rinforzato, maggiore spessore e angolo dell'elica per un taglio dolce e una maggiore produttività.

AXMT 0903

Inserti



Misura	Dimensioni (mm)					
	INSL	W1	S	APMX	BS	RE
09	10.7	6.3	3.6	8.8	0.8	0.4

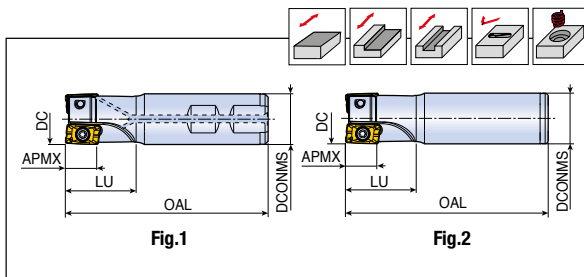
Inserto	Descrizione	Condizioni di taglio raccomandate		Rivestito					
		ap (mm)	Avanz. (mm/z)	TT9080					
	AXMT 0903-REM	2.0 - 8.0	0.18 - 0.10	●					

- -REM: RHINO geometria media
- Gli inserti AXMT 09 possono essere montati sui corpi fresa APKT 09 esistenti.

2S TFM90...-09 2S TE90...-09 2S TE90...M...-09

TE90AP-16

Fresa cilindrica



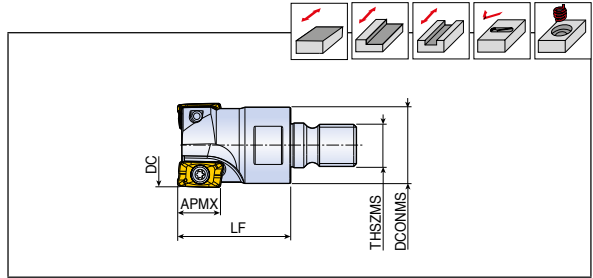
Descrizione		Dimensioni (mm)					Fori refrig.	Fig.		Kg	Inserto
		DC	DCONMS	OAL	LU	APMX					
TE90AP 120-W20-16-L90	1	20	20	90	32	15	x	1	0.19	APKT 1604...	
120-W20-16-L90-C	1	20	20	90	32	15	○	1	0.18		
225-24-16-L100	2	25	24	100	40	15	x	2	0.30		
225-W25-16-L100	2	25	25	100	39	15	x	1	0.32		
225-W25-16-L100-C	2	25	25	100	39	15	○	1	0.30		
225-25-16-L210	2	25	25	210	40	15	x	2	0.75		
226-25-16-L200	2	26	25	200	40	15	x	2	0.72		
226-25-16-L250	2	26	25	250	40	15	x	2	0.90		
232-32-16-L250	2	32	32	250	65	15	x	2	1.46		
332-W32-16-L110	3	32	32	110	40	15	x	1	0.59		
332-W32-16-L110-C	3	32	32	110	40	15	○	1	0.58		
332-W32-16-L200	3	32	32	200	65	15	x	1	1.12		
332-32-16-L200	3	32	32	200	65	15	x	2	1.13		
233-32-16-L200	2	33	32	200	40	15	x	2	1.18		
233-32-16-L250	2	33	32	250	40	15	x	2	1.50		
233-32-16-L300	2	33	32	300	40	15	x	2	1.81		
333-32-16-L250	3	33	32	250	55	15	x	2	1.46		
240-32-16-L250	2	40	32	250	54	15	x	2	1.61		
340-32-16-L200	3	40	32	200	54	15	x	2	1.27		
440-W32-16-L115	4	40	32	115	32	15	x	1	0.69		
440-W32-16-L115-C	4	40	32	115	32	15	○	1	0.68		
440-32-16-L200	4	40	32	200	54	15	x	2	1.26		
442-W32-16	4	42	32	115	32	15	x	1	0.74		

Ricambi

Descrizione	Vite	Chiave			
TE90AP-16 (-Ø25)	TS 40080I	TD15			
TE90AP-16 (Ø26-Ø42)	TS 40093I	TD15			

TE90AP-M-16

Fresa modulare



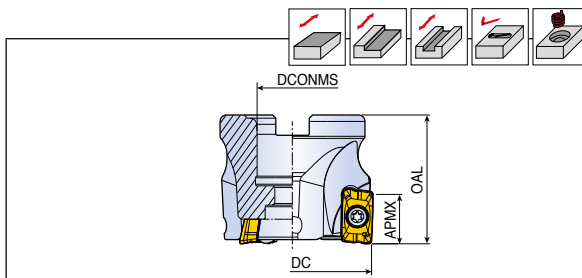
Descrizione		Dimensioni (mm)						Inserto
		DC	DCONMS	LF	THSZMS	APMX		
TE90AP 120-M10-16	1	20	18	44.6	10	15	0.09	APKT 1604...
225-M12-16	2	25	21	43	12	15	0.12	
232-M16-16	2	32	29	43	16	15	0.24	
332-M16-16	3	32	29	43	16	15	0.21	
340-M16-16	3	40	29	43	16	15	0.27	
440-M16-16	4	40	29	43	16	15	0.27	

Ricambi

Descrizione	Vite	Chiave			
TE90AP-16 (-Ø25)	TS 40080I	TD15			
TE90AP-16 (Ø32-Ø40)	TS 40093I	TD15			

TFM90AP-16

Fresa a manico corto



Descrizione		Dimensioni (mm)				Tipo attac.		Viti di montaggio	Inserto
		DC	DCONMS	OAL	APMX				
TFM90AP 340-16R-16	3	40	16	40	15	A	0.2	SH M8x1.25x30	APKT 1604...
440-16R-16	4	40	16	40	15	A	0.2	SH M8x1.25x30	
350-22R-16	3	50	22	40	15	A	0.3	SH M10x1.5x30	
450-22R-16	4	50	22	40	15	A	0.3	SH M10x1.5x30	
550-22R-16	5	50	22	40	15	A	0.3	SH M10x1.5x30	
550-27R-16	5	50	27	50	15	A	0.4	SH M12x1.75x35	
463-22R-16	4	63	22	40	15	A	0.4	SH M10x1.5x30	
663-22R-16	6	63	22	40	15	A	0.5	SH M10x1.5x30	
663-27R-16	6	63	27	50	15	A	0.7	SH M12x1.75x35	
480-27R-16	4	80	27	50	15	A	1.0	SH M12x1.75x35	
580-27R-16	5	80	27	50	15	A	0.9	SH M12x1.75x35	
680-27R-16	6	80	27	50	15	A	1.0	SH M12x1.75x35	
780-27R-16	7	80	27	50	15	A	1.0	SH M12x1.75x35	
6100-32R-16	6	100	32	50	15	B	1.6	-	
8100-32R-16	8	100	32	50	15	B	1.6	-	
7125-40R-16	7	125	40	63	15	B	2.7	-	
8125-40R-16	8	125	40	63	15	B	2.7	-	
9125-40R-16	9	125	40	63	15	B	2.7	-	
8160-40R-16	8	160	40	63	15	C	4.1	-	

Ricambi

Descrizione	Vite	Chiave			
TFM90AP-16 (Ø40, Ø50, Ø63)	TS 40093I	T-T15			
TFM90AP-16 (Ø80-)	TS 40120I	T-T15			



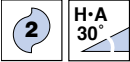
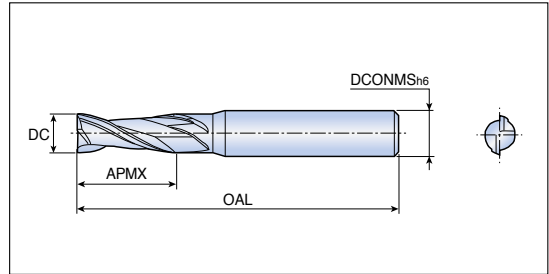
RHINO SOLID



TaeguTec
Member IMC Group

RTSE 2...M

Fresa plana 2 taglienti media

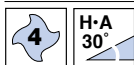
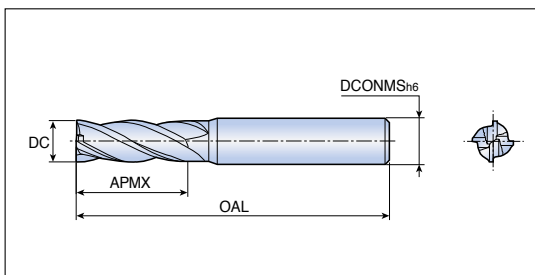


Descrizione	Avanzamento (mm/z)	Dimensioni (mm)				Grado TT5525
		DC	OAL	APMX	DCONMS	
RTSE 2010M	0.008 - 0.030	1.0	42	3	6	●
2015M	0.008 - 0.030	1.5	42	4	6	●
2020M	0.010 - 0.030	2.0	42	6	6	●
2025M	0.010 - 0.030	2.5	42	8	6	●
2030M	0.010 - 0.030	3.0	57	10	6	●
2035M	0.010 - 0.030	3.5	47	10	6	●
2040M	0.010 - 0.050	4.0	57	12	6	●
2045M	0.010 - 0.050	4.5	57	14	6	●
2050M	0.015 - 0.060	5.0	57	14	6	●
2055M	0.015 - 0.060	5.5	57	16	6	●
2060M	0.020 - 0.060	6.0	57	16	6	●
2065M	0.020 - 0.060	6.5	60	20	8	●
2070M	0.030 - 0.070	7.0	60	20	8	●
2075M	0.030 - 0.080	7.5	63	20	8	●
2080M	0.030 - 0.100	8.0	63	20	8	●
2085M	0.030 - 0.100	8.5	72	22	10	●
2090M	0.030 - 0.100	9.0	68	25	10	●
2095M	0.030 - 0.100	9.5	72	24	10	●
2100M	0.030 - 0.120	10.0	72	22	10	●
2105M	0.030 - 0.120	10.5	76	26	12	●
2110M	0.030 - 0.120	11.0	76	30	12	●
2115M	0.030 - 0.120	11.5	83	30	12	●
2120M(30x76)	0.030 - 0.120	12.0	76	30	12	●
2120M	0.030 - 0.120	12.0	83	25	12	●
2130M	0.030 - 0.132	13.0	85	35	14	●
2140M	0.040 - 0.140	14.0	85	35	16	●
2150M	0.040 - 0.140	15.0	92	32	16	●
2160M	0.040 - 0.140	16.0	92	32	16	●
2160M(40x92)	0.040 - 0.140	16.0	92	40	16	●
2180M	0.040 - 0.140	18.0	110	45	20	●
2200M	0.040 - 0.140	20.0	104	38	20	●
2250M	0.050 - 0.146	25.0	120	50	25	●

● : Standard

RTSE 4...M

Fresa piana 4 taglienti media

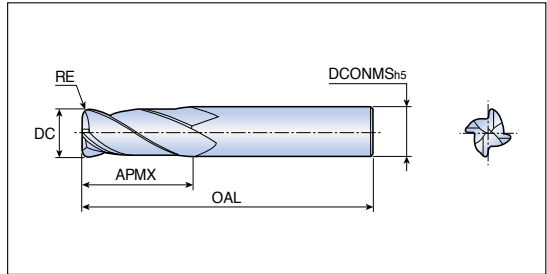


Descrizione	Avanzamento (mm/z)	Dimensioni (mm)				Grado
		DC	OAL	APMX	DCONMS	TT5525
RTSE 4010M	0.005 - 0.010	1.0	42	2.5	6	●
4015M	0.005 - 0.012	1.5	42	4	6	●
4020M	0.008 - 0.017	2.0	42	6	6	●
4025M	0.008 - 0.017	2.5	42	8	6	●
4030M	0.009 - 0.020	3.0	57	10	6	●
4035M	0.010 - 0.028	3.5	47	10	6	●
4040M	0.010 - 0.042	4.0	57	12	6	●
4045M	0.010 - 0.042	4.5	57	14	6	●
4050M	0.020 - 0.059	5.0	57	14	6	●
4055M	0.020 - 0.059	5.5	57	14	6	●
4060M	0.020 - 0.075	6.0	57	16	6	●
4065M	0.020 - 0.075	6.5	60	20	8	●
4070M	0.020 - 0.075	7.0	60	20	8	●
4075M	0.020 - 0.075	7.5	60	20	8	●
4080M	0.030 - 0.100	8.0	63	20	8	●
4085M	0.030 - 0.100	8.5	68	25	10	●
4090M	0.030 - 0.100	9.0	68	25	10	●
4095M	0.030 - 0.100	9.5	68	25	10	●
4100M	0.030 - 0.120	10.0	72	22	10	●
4105M	0.030 - 0.120	10.5	76	30	12	●
4110M	0.030 - 0.120	11.0	76	30	12	●
4115M	0.030 - 0.120	11.5	76	30	12	●
4120M	0.030 - 0.136	12.0	83	25	12	●
4130M	0.030 - 0.136	13.0	85	35	14	●
4140M	0.030 - 0.136	14.0	85	35	16	●
4150M	0.040 - 0.140	15.0	92	32	16	●
4160M	0.040 - 0.146	16.0	92	32	16	●
4180M	0.040 - 0.146	18.0	110	45	20	●
4200M	0.050 - 0.146	20.0	104	38	20	●
4250M	0.050 - 0.146	25.0	140	65	25	●

● : Standard

RHES 4...T-R

Fresa torica 4 taglienti media



Descrizione	Avanzamento (mm/z)	Dimensioni (mm)					Grado
		DC	RE	OAL	APMX	DCONMS	TT5525
RHES 4030T-R0.3	0.01 - 0.04	3	0.3	47	10	6	●
4030T-R0.5	0.01 - 0.04	3	0.5	47	10	6	●
4040T-R0.3	0.02 - 0.05	4	0.3	47	12	6	●
4040T-R0.5	0.02 - 0.05	4	0.5	47	12	6	●
4050T-R0.3	0.02 - 0.06	5	0.3	52	15	6	●
4050T-R0.5	0.02 - 0.06	5	0.5	52	15	6	●
4060T-R0.5	0.03 - 0.07	6	0.5	52	15	6	●
4060T-R1.0	0.03 - 0.07	6	1.0	52	15	6	●
4080T-R0.5	0.03 - 0.09	8	0.5	60	20	8	●
4080T-R1.0	0.03 - 0.09	8	1.0	60	20	8	●
4080T-R1.5	0.03 - 0.09	8	1.5	60	20	8	●
4080T-R2.0	0.03 - 0.09	8	2.0	60	20	8	●
4100T-R0.5	0.03 - 0.10	10	0.5	68	25	10	●
4100T-R1.0	0.03 - 0.10	10	1.0	68	25	10	●
4100T-R1.5	0.03 - 0.10	10	1.5	68	25	10	●
4100T-R2.0	0.03 - 0.10	10	2.0	68	25	10	●
4100T-R2.5	0.03 - 0.10	10	2.5	68	25	10	●
4100T-R3.0	0.03 - 0.10	10	3.0	68	25	10	●
4120T-R0.5	0.04 - 0.11	12	0.5	76	30	12	●
4120T-R1.0	0.04 - 0.11	12	1.0	76	30	12	●
4120T-R1.5	0.04 - 0.11	12	1.5	76	30	12	●
4120T-R2.0	0.04 - 0.11	12	2.0	76	30	12	●
4120T-R2.5	0.04 - 0.11	12	2.5	76	30	12	●
4120T-R3.0	0.04 - 0.11	12	3.0	76	30	12	●
4160T-R0.5	0.05 - 0.13	16	0.5	90	40	16	●
4160T-R1.0	0.05 - 0.13	16	1.0	90	40	16	●
4160T-R1.5	0.05 - 0.13	16	1.5	90	40	16	●
4160T-R2.0	0.05 - 0.13	16	2.0	90	40	16	●
4160T-R3.0	0.05 - 0.13	16	3.0	90	40	16	●
4200T-R0.5	0.05 - 0.13	20	0.5	110	45	20	●
4200T-R1.0	0.05 - 0.13	20	1.0	110	45	20	●
4200T-R1.5	0.05 - 0.13	20	1.5	110	45	20	●
4200T-R2.0	0.05 - 0.13	20	2.0	110	45	20	●
4200T-R3.0	0.05 - 0.13	20	3.0	110	45	20	●

● : Standard





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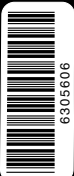
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