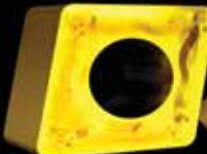




RHINO • RUSH



 **SIZE TECHNOLOGY** 

PICCOLI inserti con durata superiore e lo **STESSO SPESSORE** degli inserti ISO

ISO TURN
(CNMG 12)

RHINO-RUSH



Piccolo e Robusto



Tipi di inserti disponibili



CNMG



DNMG



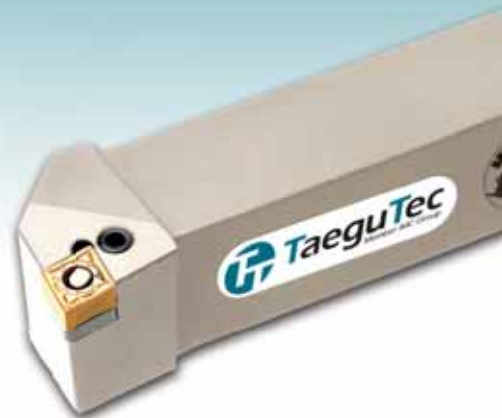
SNMG



TNMG



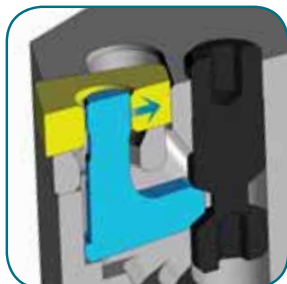
WNMG





Sistema di bloccaggio

Piccolo inserto ma robusta forza di bloccaggio, grazie al sistema di bloccaggio a leva RHINORUSH



ISO tradizionale

Forza di bloccaggio monodirezionale

VS



RHINO-RUSH

Forza di bloccaggio bi-direzionale

Test delle prestazioni

Offre una durata stabile, persino durante le lavorazioni ad alti avanzamenti, con taglio interrotto, o usati su vecchie macchine

Utensile ISO

Utensili CNMG 120408 + PCLNR 2525 M12
(Utensili ISO tradizionali)

VS

Utensile RHINORUSH

CNMG 090408 + HCLNR 2525 M0904
(Utensile RHINORUSH)

* In entrambi i test il rompitruciolo ed il grado sono gli stessi

Taglio interrotto

- Materiale: Acciaio legato a medio tenore di carbonio
- Lavorazione: Tornitura frontale a taglio interrotto
- Parametri di taglio: $V=100$ m/min, $f=0.6$ mm/giro, $ap=4$ mm, a secco

* Test comparativo delle forze di bloccaggio eseguito presso il TaeguTec Tech Center

Durata inserto

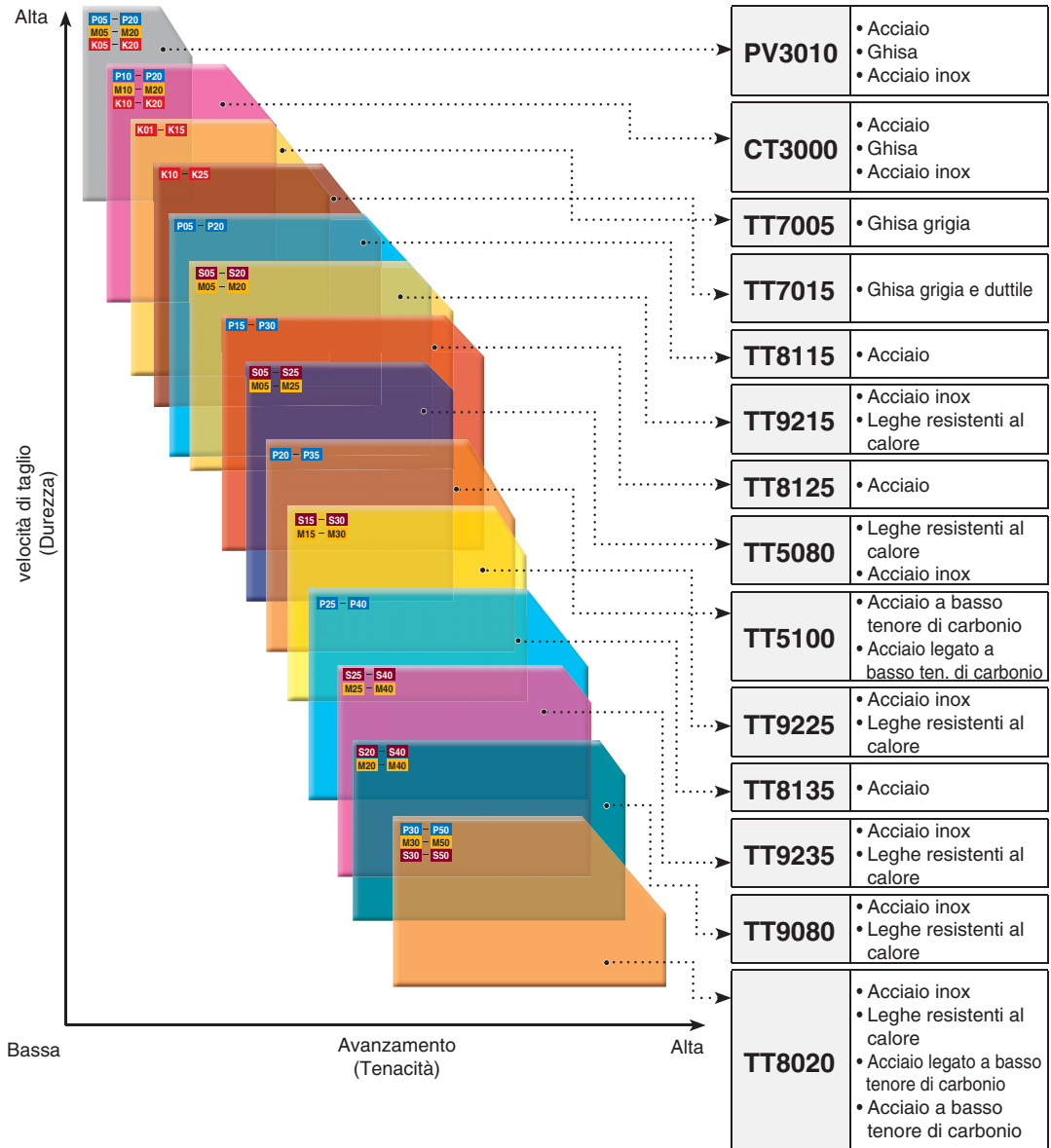


Grado RHINORUSH

Gradi	ISO	Caratteristiche ed applicazioni
CT3000 Non rivestito Cermet	P10 — P20 M10 — M20 K10 — K20	• Per torniture con eccellenti finiture superficiali su acciaio, acciaio legato e ghisa • Eccellente resistenza all'usura e basso coefficiente di attrito
PV3010 Rivestito PVD Cermet	P05 — P20 M05 — M20 K05 — K20	• Per torniture con ottime finiture superficiali su acciaio, acciaio inox e ghisa • Eccellente resistenza all'usura e basso coefficiente di attrito • Lunga durata
TT7005 Rivestito CVD	K01 — K15	• Per lavorazioni ad alte velocità di ghisa grigia e duttile • Grado rivestito con eccellente resistenza all'usura, che assicura ottime prestazioni durante le lavorazioni a taglio continuo ad alta velocità su ghisa
TT7015 Rivestito CVD	K10 — K25	• Per lavorazioni generali di ghisa grigia e duttile • Per lavorazioni a taglio continuo e interrotto di ghisa grigia e duttile
TT8115 Rivestito CVD	P05 — P20	• Per torniture ad alta velocità a taglio continuo su acciaio • Eccellente resistenza all'usura e al calore
TT8125 Rivestito CVD	P15 — P30	• Per un'ampia gamma di torniture su acciai • Ottima combinazione di resistenza all'usura e tenacità • Per uso generale su acciaio
TT5100 Rivestito CVD	P20 — P35	• Per un'ampia gamma di torniture • Ideale per acciaio dolce, acciaio a basso tenore di carbonio e acciaio legato a basso tenore di carbonio • Eccellente resistenza alle scheggiature e all'incollamento
TT8135 Rivestito CVD	P25 — P40	• Tenace substrato in carburo • Per un'ampia gamma di applicazioni, da lavorazioni medie a sgrossature a basse velocità di taglio su acciai • Per taglio interrotto
TT9215 Rivestito CVD	S05 — S20 M05 — M20	• Inserto con eccellente resistenza all'usura • Per taglio interrotto ad alte velocità su acciaio inox
TT9225 Rivestito CVD	S15 — S30 M15 — M30	• Eccellente combinazione di resistenza dell'inserto all'usura e alle rotture • Per uso generale su acciaio inox • Per taglio continuo ed interrotto su acciaio inox
TT9235 Rivestito CVD	S25 — S40 M25 — M40	• Eccellente combinazione di resistenza dell'inserto all'usura e tenacità • Per basse velocità e taglio interrotto
TT5080 Rivestito PVD	S05 — S25 M05 — M25	• Per un'ampia gamma di torniture di leghe resistenti al calore • Substrato submicrograno molto duro con buona tenacità • Per alte velocità di taglio, su taglio continuo di acciaio inox
TT9080 Rivestito PVD	M20 — M40 S20 — S40	• Eccellente resistenza alle scheggiature • Per lavorazione generale su acciaio inox • Per basse velocità di taglio su super leghe
TT8020 Rivestito PVD	P30 — P50 M30 — M50 S30 — S50	• Per lavorazioni da medie a torniture a basse velocità di acciaio inox, super leghe e acciaio a basso tenore di carbonio • Il grado di tornitura più tenace • Per taglio interrotto su acciaio inox e super leghe

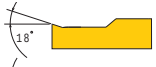
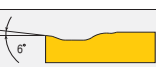
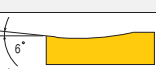
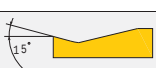
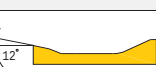
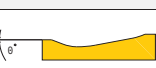


Gradi inserti



Rompitrucioli disponibili

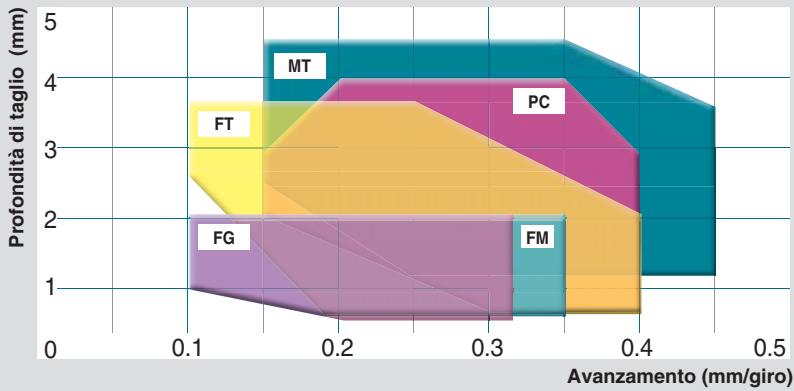


Rompitrucioli			Gamma e caratteristiche
FG		 A  B	• Per applicazioni di finitura e semi-finitura • Per applicazioni su acciaio • Basse forze di taglio
FM		 A  B	• Per lavorazioni su acciaio • Rompitruciolo migliorato grazie alla geometria tridimensionale • Soluzione per un'ampia gamma di lavorazioni dalla semi-media alla semi-finitura
FT		 A  B	• Per lavorazioni di acciaio • Tagliente robusto e dentellato per un'eccellente evacuazione del truciolo, per profondità di taglio elevate, per lavorazione a gradini e di profilatura • Lavorazioni medie e di semi-finitura • Eccellente rottura del truciolo per componenti automobilistici
PC		 A  B	• Per applicazioni medie e di semi-finitura • Per la lavorazione di componenti automobilistici in acciaio • Eccellente controllo del truciolo su applicazioni medie
MT		 A  B	• Adatto per taglio continuo ed interrotto • Per applicazioni di media sgrossatura • Acciaio, ghisa e acciaio inox • Tenace angolo di spoglia, per uso generale
EA		 A  B	• Per applicazioni di finitura • Super leghe • Eccellente controllo del truciolo a bassi avanzamenti e basse profondità di taglio
EM		 A  B	• Per applicazioni medie • Lavorazioni di acciaio inox • Tagliente altamente positivo per ridurre le forze di taglio
MM		 A  B	• Per lavorazioni generali su acciaio e acciaio inox • L'angolo di spoglia positivo fornisce un eccellente controllo del truciolo
MG-		 A  B	• Per applicazioni di media sgrossatura • Per lavorazione generale su ghisa • Robusto angolo di spoglia
TNGG R/L		 A	• Inserto rettificato • Adatto per tutti i tipi di lavorazione • Basse forze di taglio e migliore forza di adesione • Dimensione migliorata e precisione della superficie di finitura
DNUX R/L 11		 A	• Per applicazioni di acciaio e acciaio inox • Per applicazioni medie • Per applicazioni su pezzi sottili • Geometria di taglio altamente positiva per ridotte forze di taglio

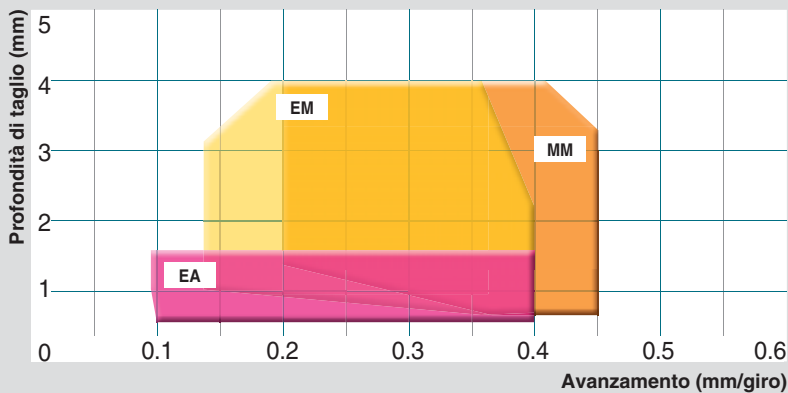


Gamma rompitruciolo

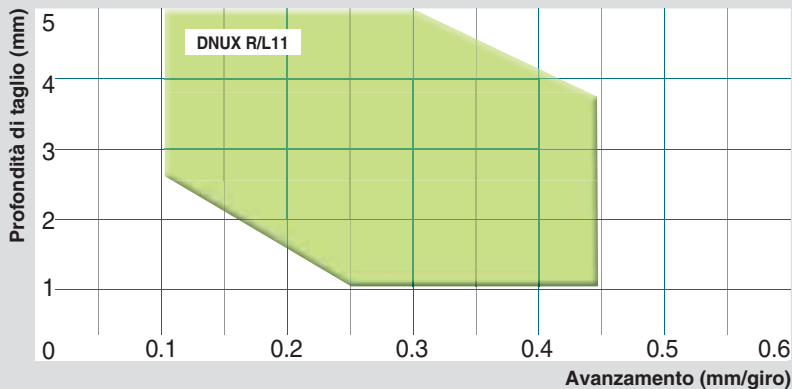
Acciaio - Materiale: acciaio a medio tenore di carbonio / Velocità di taglio (Vc): 200 m/min



Acciaio inox - Materiale: acciaio inox / velocità di taglio (Vc): 200 m/min

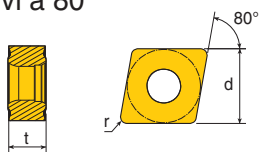


Acciaio - Materiale: Acciaio a medio tenore di carbonio / velocità di taglio (Vc): 200 m/min



CNMG Inserti Rombici Negativi a 80°

Descrizione	d	t	r
CNMG 090404	9.52	4.76	0.4
CNMG 090408	9.52	4.76	0.8
CNMG 090412	9.52	4.76	1.2



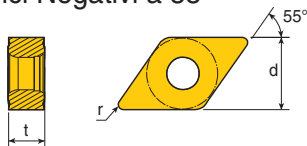
Inserto	Descrizione	Parametri di taglio consigliati		Grado											
				Cermet	Rivestito CVD										Rivestito PVD
		avanzamento (mm/giro)	ap (mm)	CT3000	TT7005	TT7015	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT5080	TT9080
	CNMA 090408	0.15 - 0.60	1.00 - 4.00		●	●									
	CNMA 090412	0.15 - 0.70	1.00 - 4.00		●	●									
	CNMG 090404	0.10 - 0.45	0.50 - 4.00		●	●									
	CNMG 090408	0.10 - 0.50	0.50 - 4.00		●	●									
	CNMG 090412	0.10 - 0.55	0.50 - 4.00		●	●									
	CNMG 090404 EA	0.05 - 0.30	0.13 - 1.50						●	●	●		●	●	
	CNMG 090408 EA	0.07 - 0.40	0.15 - 1.50						●	●	●		●	●	
	CNMG 090408 EM	0.13 - 0.40	0.50 - 4.00						●	●	●		●	●	
	CNMG 090412 EM	0.15 - 0.40	0.70 - 4.00						●	●	●		●	●	
	CNMG 090404 FG	0.07 - 0.30	0.20 - 2.00				●	●					●		
	CNMG 090408 FG	0.10 - 0.35	0.50 - 2.00				●	●					●		
	CNMG 090412 FG	0.15 - 0.40	0.50 - 2.00				●	●					●		
	CNMG 090404 FM	0.07 - 0.30	0.25 - 2.00	●			●	●	●				●		
	CNMG 090408 FM	0.10 - 0.35	0.30 - 2.00	●			●	●	●				●		
	CNMG 090412 FM	0.15 - 0.40	0.35 - 2.00	●			●	●	●				●		
	CNMG 090404 FT	0.07 - 0.30	0.40 - 3.50				●	●	●				●		
	CNMG 090408 FT	0.10 - 0.40	0.50 - 3.50				●	●	●				●		
	CNMG 090412 FT	0.15 - 0.50	0.60 - 3.50				●	●	●				●		
	CNMG 090404 MM	0.15 - 0.45	0.40 - 4.00				●	●	●	●	●	●	●		●
	CNMG 090408 MM	0.20 - 0.50	0.50 - 4.00				●	●	●	●	●	●	●		●
	CNMG 090412 MM	0.23 - 0.50	0.70 - 4.00				●	●	●	●	●	●	●		●
	CNMG 090404 MT	0.10 - 0.35	0.80 - 4.50				●	●					●		
	CNMG 090408 MT	0.15 - 0.45	1.00 - 4.50				●	●					●		
	CNMG 090412 MT	0.20 - 0.55	1.20 - 4.50				●	●					●		
	CNMG 090404 PC	0.10 - 0.30	0.40 - 4.00				●	●					●		
	CNMG 090408 PC	0.15 - 0.40	0.50 - 4.00				●	●	●				●		
	CNMG 090412 PC	0.18 - 0.50	0.60 - 4.00				●	●							

● : Articoli standard



DNMG / DNUX Inserti Rombici Negativi a 55°

Descrizione	d	t	r
DN□□ 130504	11.11	5.56	0.4
DN□□ 130508	11.11	5.56	0.8
DN□□ 130512	11.11	5.56	1.2

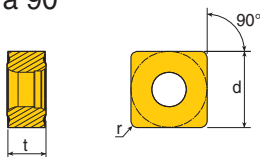


Inserto	Descrizione	Parametri di taglio consigliati		Grado												
		avanzamento (mm/giro)	ap (mm)	Cermet	Rivestito CVD								Rivestito PVD			
				CT3000	TT7005	TT7015	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT5080	TT9080	
	DNMG 130504	0.10 - 0.45	0.50 - 4.00		●	●										
	DNMG 130508	0.10 - 0.50	0.50 - 4.00		●	●										
	DNMG 130512	0.10 - 0.55	0.50 - 4.00		●	●										
	DNMG 130504 EA	0.05 - 0.30	0.13 - 1.50							●	●	●		●	●	
	DNMG 130508 EA	0.07 - 0.40	0.15 - 1.50							●	●	●		●	●	
	DNMG 130508 EM	0.13 - 0.40	0.50 - 4.00							●	●	●		●	●	
	DNMG 130512 EM	0.15 - 0.40	0.70 - 4.00							●	●	●		●	●	
	DNMG 130504 FG	0.07 - 0.30	0.20 - 2.00				●	●					●			
	DNMG 130508 FG	0.10 - 0.35	0.50 - 2.00				●	●					●			
	DNMG 130512 FG	0.15 - 0.40	0.50 - 2.00				●	●					●			
	DNMG 130504 FM	0.07 - 0.30	0.25 - 2.00	●			●	●	●				●			
	DNMG 130508 FM	0.10 - 0.35	0.30 - 2.00	●			●	●	●				●			
	DNMG 130512 FM	0.15 - 0.40	0.35 - 2.00	●			●	●	●				●			
	DNMG 130504 FT	0.07 - 0.30	0.25 - 3.50				●	●	●				●			
	DNMG 130508 FT	0.10 - 0.40	0.30 - 3.50				●	●	●				●			
	DNMG 130512 FT	0.15 - 0.50	0.35 - 3.00				●	●	●				●			
	DNMG 130504 MM	0.15 - 0.45	0.40 - 4.50				●	●	●	●	●	●	●			
	DNMG 130508 MM	0.20 - 0.50	0.50 - 4.50				●	●	●	●	●	●	●			
	DNMG 130512 MM	0.23 - 0.50	0.70 - 4.50				●	●	●	●	●	●	●			
	DNMG 130504 MT	0.10 - 0.35	0.80 - 4.50				●	●	●				●			
	DNMG 130508 MT	0.15 - 0.45	1.00 - 4.50				●	●	●				●			
	DNMG 130512 MT	0.20 - 0.55	1.20 - 4.50				●	●	●				●			
	DNMG 130504 PC	0.10 - 0.30	0.40 - 4.00				●	●	●				●			
	DNMG 130508 PC	0.15 - 0.40	0.50 - 4.00				●	●	●				●			
	DNMG 130512 PC	0.18 - 0.50	0.60 - 4.00				●	●	●				●			
	DNUX 130504 R11	0.15 - 0.35	1.50 - 5.00				●	●			●		●		●	
	DNUX 130504 L11	0.15 - 0.35	1.50 - 5.00				●	●			●		●			
	DNUX 130508 R11	0.21 - 0.45	2.00 - 5.00				●	●			●		●		●	
	DNUX 130508 L11	0.21 - 0.45	2.00 - 5.00				●	●			●		●		●	

● : Articoli standard

SNMG Inserti Quadri Negativi a 90°

Descrizione	d	t	r
SNMG 090404	9.52	4.76	0.4
SNMG 090408	9.52	4.76	0.8
SNMG 090412	9.52	4.76	1.2



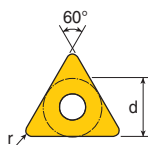
Inserto	Descrizione	Parametri di taglio consigliati		Grado											
				Cermet	Rivestito CVD									Rivestito PVD	
		avanzamenti (mm/giro)	ap (mm)	CT3000	TT7005	TT7015	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT5080	TT9080
	SNMG 090404	0.10 - 0.45	0.50 - 4.00		●	●									
	SNMG 090408	0.10 - 0.50	0.50 - 4.00		●	●									
	SNMG 090412	0.10 - 0.55	0.50 - 4.00		●	●									
	SNMG 090404 EA	0.05 - 0.30	0.13 - 1.50							●	●	●		●	●
	SNMG 090408 EA	0.07 - 0.40	0.15 - 1.50							●	●	●		●	●
	SNMG 090408 EM	0.13 - 0.40	0.50 - 4.00							●	●	●		●	●
	SNMG 090412 EM	0.15 - 0.40	0.70 - 4.00							●	●	●		●	●
	SNMG 090404 FG	0.07 - 0.30	0.20 - 2.00				●	●					●		
	SNMG 090408 FG	0.10 - 0.35	0.50 - 2.00				●	●					●		
	SNMG 090412 FG	0.15 - 0.40	0.50 - 2.00				●	●					●		
	SNMG 090404 FM	0.07 - 0.30	0.25 - 2.00	●			●	●	●				●		
	SNMG 090408 FM	0.10 - 0.35	0.30 - 2.00	●			●	●	●				●		
	SNMG 090412 FM	0.15 - 0.40	0.35 - 2.00	●			●	●	●				●		
	SNMG 090404 MM	0.15 - 0.45	0.40 - 4.00				●	●	●	●	●	●	●		
	SNMG 090408 MM	0.20 - 0.50	0.50 - 4.00				●	●	●	●	●	●	●		
	SNMG 090412 MM	0.23 - 0.50	0.70 - 4.00				●	●	●	●	●	●	●		
	SNMG 090404 MT	0.10 - 0.35	0.80 - 4.00				●	●	●				●		
	SNMG 090408 MT	0.15 - 0.45	1.00 - 4.00				●	●	●				●		
	SNMG 090412 MT	0.20 - 0.55	1.20 - 4.00				●	●	●				●		
	SNMG 090404 PC	0.10 - 0.30	0.40 - 3.50				●	●	●				●		
	SNMG 090408 PC	0.15 - 0.40	0.50 - 3.50				●	●	●				●		
	SNMG 090412 PC	0.18 - 0.50	0.60 - 3.50				●	●	●				●		

● : Articoli standard



TNMG Inserti Triangolari Negativi a 60°

Descrizione	d	t	r
TN□□ 130402	7.94	4.76	0.2
TN□□ 130404	7.94	4.76	0.4
TN□□ 130408	7.94	4.76	0.8
TN□□ 130412	7.94	4.76	1.2



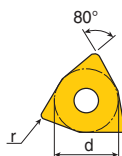
ISO TURN	RHINO-RUSH

Inserto	Descrizione	Parametri di taglio consigliati		Grado									
		avanzamento (mm/rev)	ap (mm)	Cermet		Rivestito CVD							
				CT3000	TT7005	TT7015	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100
	TNMG 130404	0.10 - 0.45	0.50 - 4.00		●	●							
	TNMG 130408	0.10 - 0.50	0.50 - 4.00		●	●							
	TNMG 130412	0.10 - 0.55	0.50 - 4.00		●	●							
	TNMG 130404 EA	0.05 - 0.30	0.13 - 1.50							●	●	●	●
	TNMG 130408 EA	0.07 - 0.40	0.15 - 1.50							●	●	●	●
	TNMG 130408 EM	0.13 - 0.40	0.50 - 4.00							●	●	●	●
	TNMG 130412 EM	0.15 - 0.40	0.70 - 4.00							●	●	●	●
	TNMG 130404 FG	0.07 - 0.30	0.25 - 1.50				●	●					●
	TNMG 130408 FG	0.10 - 0.35	0.30 - 1.50				●	●					●
	TNMG 130412 FG	0.15 - 0.40	0.35 - 1.50				●	●					●
	TNMG 130404 FM	0.07 - 0.30	0.25 - 1.50	●			●	●	●				●
	TNMG 130408 FM	0.10 - 0.35	0.30 - 1.50	●			●	●	●				●
	TNMG 130412 FM	0.15 - 0.40	0.35 - 1.50	●			●	●	●				●
	TNMG 130404 FT	0.07 - 0.30	0.25 - 2.50				●	●	●				●
	TNMG 130408 FT	0.10 - 0.40	0.30 - 2.50				●	●	●				●
	TNMG 130412 FT	0.15 - 0.50	0.35 - 2.50				●	●	●				●
	TNMG 130404 MM	0.15 - 0.45	0.40 - 3.50				●	●	●	●	●	●	●
	TNMG 130408 MM	0.20 - 0.50	0.50 - 3.50				●	●	●	●	●	●	●
	TNMG 130412 MM	0.23 - 0.50	0.70 - 3.50				●	●	●	●	●	●	●
	TNMG 130404 MT	0.10 - 0.35	0.80 - 3.50				●	●	●				●
	TNMG 130408 MT	0.15 - 0.45	1.00 - 3.50				●	●	●				●
	TNMG 130412 MT	0.20 - 0.55	1.20 - 3.50				●	●	●				●
	TNMG 130404 PC	0.10 - 0.30	0.40 - 3.00				●	●	●				●
	TNMG 130408 PC	0.15 - 0.40	0.50 - 3.00				●	●	●				●
	TNMG 130412 PC	0.18 - 0.50	0.60 - 3.00				●	●	●				●
	TNGG 130402 R/L	0.10 - 0.25	0.80 - 3.50	●									
	TNGG 130404 R/L	0.12 - 0.30	1.00 - 3.50	●									
	TNGG 130408 R/L	0.15 - 0.35	1.30 - 3.50	●									
	TNGG 130402 R-A	0.05 - 0.20	0.30 - 1.50	●									

● : Articoli Standard

WNMX Inserti Trigoni Negativi a 80°

Descrizione	d	t	r
WNMX 060404	9.52	4.76	0.4
WNMX 060408	9.52	4.76	0.8
WNMX 060412	9.52	4.76	1.2

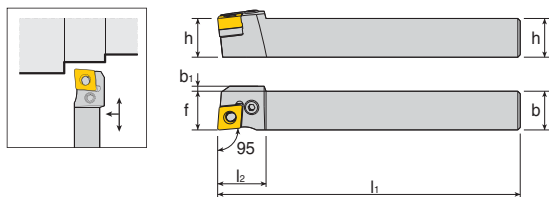


Inserto	Descrizione	Parametri di taglio consigliati		Grado													
				Cermet		Rivestito CVD										Rivestito PVD	
		avanzamento (mm/giro)	ap (mm)	PV3010	CT3000	TT7005	TT7015	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT5080	TT8020	TT9080
	WNMX 060404 EM	0.10 - 0.35	0.40 - 3.50								●	●	●		●		●
	WNMX 060408 EM	0.13 - 0.40	0.50 - 3.50								●	●	●		●		●
	WNMX 060412 EM	0.15 - 0.40	0.70 - 3.50								●	●	●		●		●
	WNMX 060404 FG	0.07 - 0.30	0.20 - 2.00	●	●			●	●					●	●		
	WNMX 060408 FG	0.10 - 0.35	0.50 - 2.00	●	●			●	●								
	WNMX 060404 FM	0.07 - 0.30	0.25 - 2.00		●			●	●					●			
	WNMX 060408 FM	0.10 - 0.35	0.30 - 2.00		●			●	●					●			
	WNMX 060412 FM	0.15 - 0.40	0.35 - 2.00		●			●	●					●			
	WNMX 060404 MM	0.15 - 0.45	0.40 - 3.50								●	●	●		●		●
	WNMX 060408 MM	0.20 - 0.50	0.50 - 3.50						●		●	●	●	●	●	●	●
	WNMX 060412 MM	0.23 - 0.50	0.70 - 3.50								●	●	●		●		●
	WNMX 060404 MT	0.10 - 0.35	0.80 - 3.50					●	●		●	●	●	●	●		
	WNMX 060408 MT	0.15 - 0.45	1.00 - 3.50			●	●	●	●		●	●	●	●	●		
	WNMX 060412 MT	0.20 - 0.55	1.20 - 3.50			●	●	●	●					●			
	WNMX 060404 PC	0.10 - 0.30	0.40 - 3.50					●	●								
	WNMX 060408 PC	0.15 - 0.40	0.50 - 3.50					●	●								●
	WNMX 060412 PC	0.18 - 0.50	0.60 - 3.50					●	●								●

● : Articoli Standard

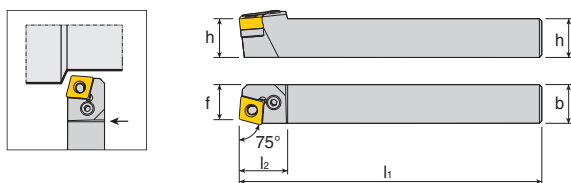


HCLNR/L-RS

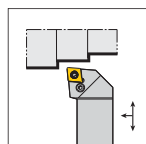
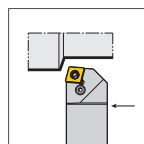
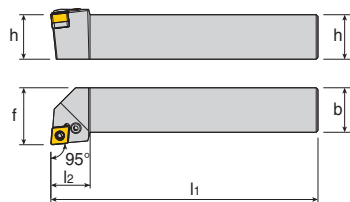
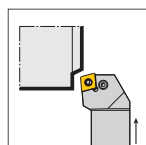
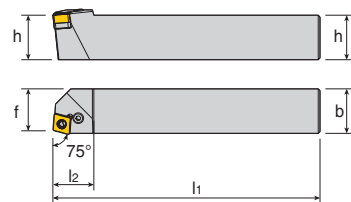
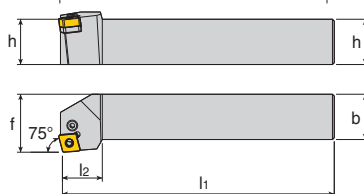


Descrizione	Dimensioni (mm)						Inserto	Ricambi					
	h	b	b1	l1	l2	f		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave
HCLNR 1212 K0904-RS	12	12	2	125	18	12	CN ☐ ☐ 0904	LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2
HCLNR/L 1616 K0904-RS	16	16	-	125	20	16		LCL 09-NX	LCS 3	LSC 32A	LSP 3A	-	L-W 2.5

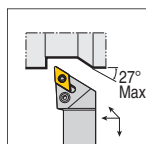
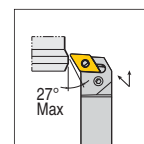
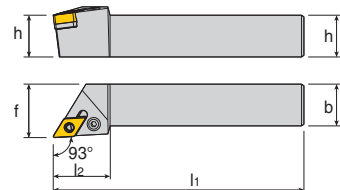
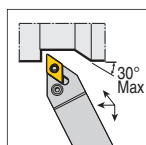
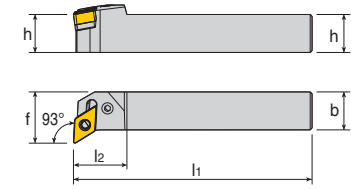
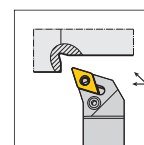
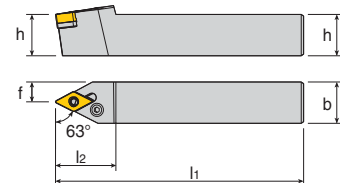
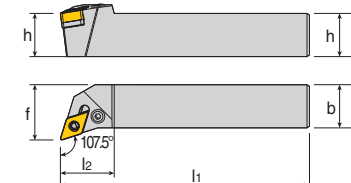
HCBNR/L-RS



Descrizione	Dimensioni (mm)					Inserto	Ricambi				
							Leva	Vite	Sottopiacchetta	Perno elastico	Chiave
	h	b	l1	l2	f						
HCBNR/L 1616 K0904-RS	16	16	125	20	14.5	CN□□ 0904□□	LCL 09-NX	LCS 3	LSC 32A	LSP 3A	L-W 2.5

HCLNR/L**HCBNR/L****HCKNR/L****HCLNR/L****HCBNR/L****HCKNR/L**

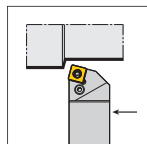
Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi				
		h	b	l ₁	l ₂	f		Leva	Vite	Sottopiacchetta	Perno elastico	Chiave
95°	HCLNR/L 1616 H0904	16	16	100	22	20	 CN ☐ ☐ ☐ ☐ 0904 ☐ ☐	 LCL 09-NX	 LCS 3	 LSC 32A	 LSP 3A	 L-W 2.5
	HCLNR/L 2020 H0904	20	20	100	22	25						
	HCLNR/L 2020 K0904	20	20	125	22	25						
	HCLNR/L 2525 M0904	25	25	150	22	32						
75°	HCBNR/L 2020 K0904	20	20	125	23	18.5						
	HCBNR/L 2525 M0904	25	25	150	23	23.5						
	HCKNR/L 2525 M0904	25	25	150	22	32						

HDJNR/L**HDUNR/L****HDNNR/L****HDQNR/L****HDJNR/L****HDUNR/L****HDNNR/L****HDQNR/L**

Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi				
		h	b	l ₁	l ₂	f		Leva	Vite	Sottopiacchetta	Perno elastico	Chiave
93°	HDJNR/L 2020 H1305	20	20	100	34	25	 DN ☐ ☐ ☐ ☐ 1305 ☐ ☐	 LCL 11-NX	 LCS 4	 LSD 3.52	 LSP 4	 L-W 3
	HDJNR/L 2020 K1305	20	20	125	34	25						
	HDJNR/L 2525 M1305	25	25	150	34	32						
	HDUNR/L 2020 K1305	20	20	125	28	27						
63°	HDNNR/L 2020 K1305	20	20	125	36.5	10						
	HDNNR/L 2525 M1305	25	25	150	36.5	12						
107.5°	HDQNR/L 2020 K1305	20	20	125	31	25						
	HDQNR/L 2525 M1305	25	25	150	31	32						

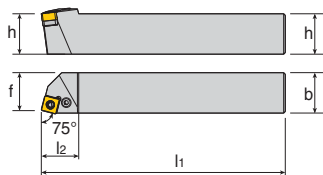


HSBNR/L

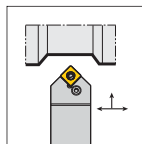


HSBNR/L

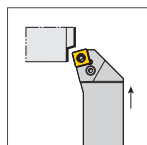
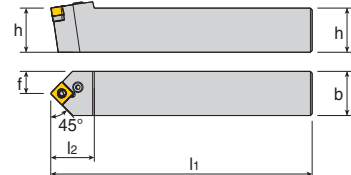
HSDNN



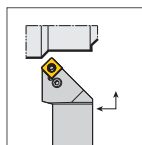
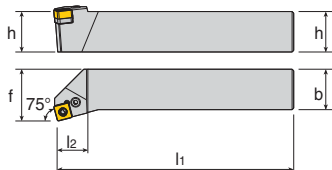
HSKNR/L



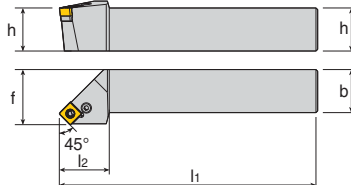
HSDNN



HSKNR/L

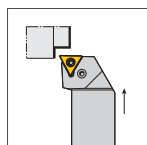


HSSNR/L

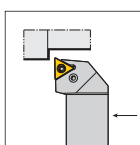
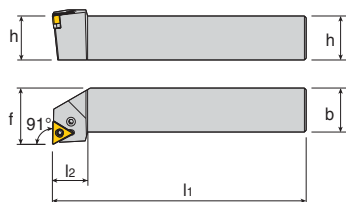


Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi				
		h	b	l ₁	l ₂	f		Leva	Vite	Sottopiacchetta	Perno elastico	Chiave
75°	HSBNR/L 2020 K0904	20	20	125	23	18.5	SNMG 0904					
	HSBNR/L 2525 M0904	25	25	150	23	23.5						
45°	HSDNN 2020 K0904	20	20	125	25	10						
	HSDNN 2525 M0904	25	25	150	25	12.5						
75°	HSKNR/L 2020 K0904	20	20	125	19	25						
	HSKNR/L 2525 M0904	25	25	150	19	32						
45°	HSSNR/L 2020 K0904	20	20	125	21.5	25						
	HSSNR/L 2525 M0904	25	25	150	29	32						

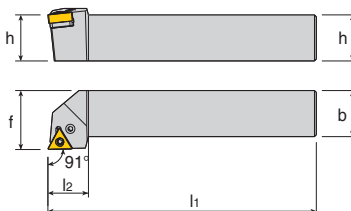
HTFNR/L



HTFNR/L

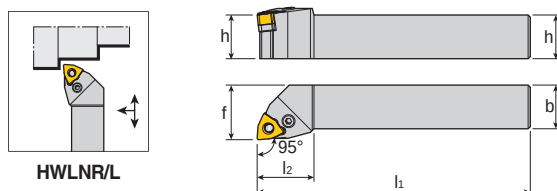


HTGNR/L



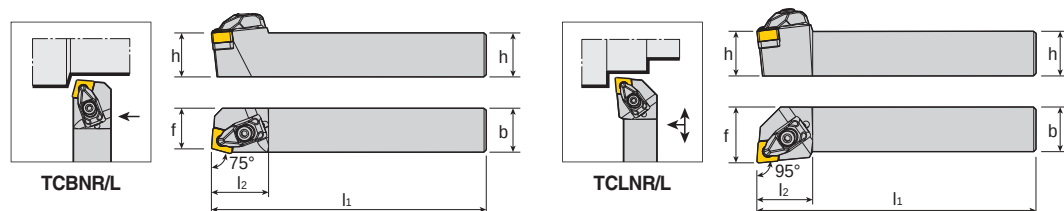
Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi				
		h	b	l ₁	l ₂	f		Leva	Vite	Sottopiacchetta	Perno elastico	Chiave
91°	HTFNR/L 2020 K1304	20	20	125	20	25	TN 1304					
	HTFNR/L 2525 M1304	25	25	150	20	32						
91°	HTGNR/L 1616 H1304	16	16	100	22	20						
	HTGNR/L 2020 H1304	20	20	100	22	25						
	HTGNR/L 2020 K1304	20	20	125	22	25						
	HTGNR/L 2525 M1304	25	25	150	22	32						

HWLNR/L



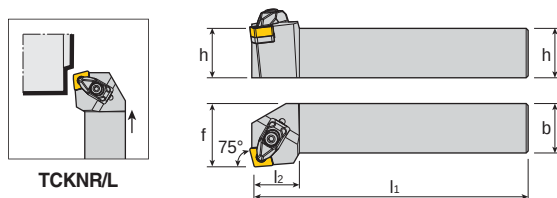
Angolo di entrata	Descrizione	Dimensioni (mm)					Inserti	Ricambi				
		h	b	l ₁	l ₂	f		Leva	Vite	Sottopiacchetta	Perno elastico	Chiave
95°	HWLNR/L 1616 H0604	16	16	100	26	20	WNMX 0604					
	HWLNR/L 2020 K0604	20	20	125	26	25						
	HWLNR/L 2525 M0604	25	25	150	26	32						

TCBNR/L TCLNR/L



Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l ₁	l ₂	f		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacch.	Molla	Chiave	
75°	TCBNR/L 2020 K0904	20	20	125	26	18.5	 CN   0904  	 DLM 3-NX	 DLS 3	 LSC 32A	 SO 40085I	 DSP 3	 L-W 2.5	 T 15
	TCBNR/L 2525 M0904	25	25	150	26	23.5								
95°	TCLNR/L 2020 H0904	20	20	100	25	25								
	TCLNR/L 2020 K0904	20	20	125	25	25								
	TCLNR/L 2525 M0904	25	25	150	25	32								

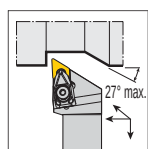
TCKNR/L



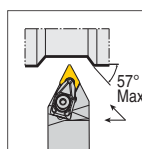
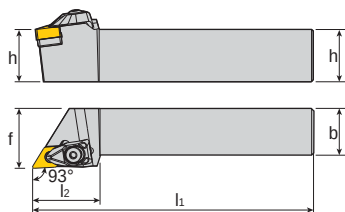
Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l ₁	l ₂	f		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacch	Molla	Chiave	
75°	TCKNR/L 2525 M0904	25	25	150	23	32	CN□□ 0904 □□	DLM 3-NX	DLS 3	LSC 32A	SO 40085I	DSP 3	L-W 2.5	T 15



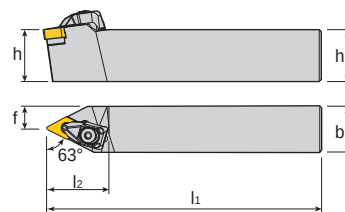
TDJNR/L TDNNR/L



TDJNR/L

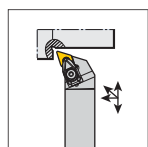


TDNNR/L

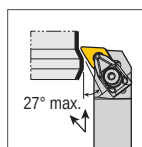
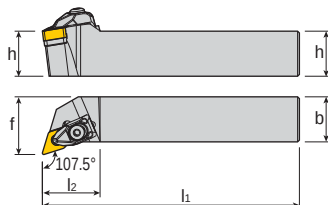


Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l1	l2	f		Stasffa	Vite staffa	Sottopiacchetta	Vite sottopiacch	Molla	Chiave	
93°	TDJNR/L 2020 H1305	20	20	100	33	25	 DN ☐ ☐ 1305 ☐ ☐							
	TDJNR/L 2020 K1305	20	20	125	33	25		DLM	DLS 4	LSD 3.52	SO 500901	DSP 4	L-W 3	T 20
	TDJNR/L 2525 M1305	25	25	150	36	32								
63°	TDNNR/L 2020 K1305	20	20	125	34	10								
	TDNNR/L 2525 M1305	25	25	150	34	12.5								

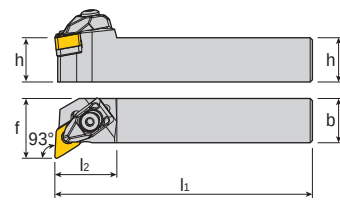
TDQNR/L TDUNR/L



TDQNR/L

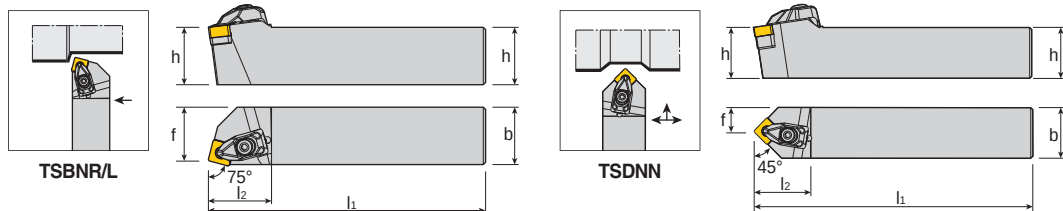


TDUNR/L



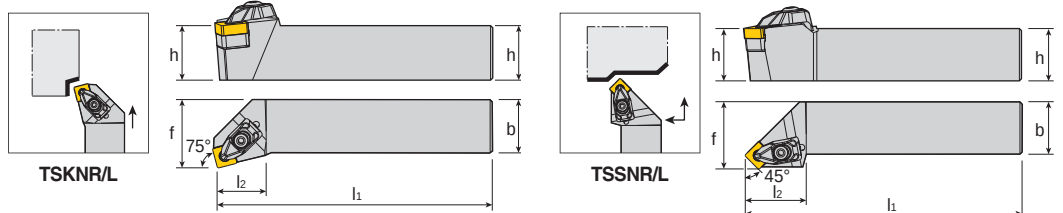
Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l1	l2	f		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacch	Molla	Chiave	
107.5°	TDQNR/L 2020 K1305	20	20	125	32	25	 DN ☐ ☐ 1305 ☐ ☐							
	TDQNR/L 2525 M1305	25	25	150	32	32		DLM	DLS 4	LSD 3.52	SO 500901	DSP 4	L-W 3	T 20
93°	TDUNR/L 2020 K1305	20	20	125	28	27								
	TDUNR/L 2525 M1305	25	25	150	28	32								

TSBNR/L TSDNN



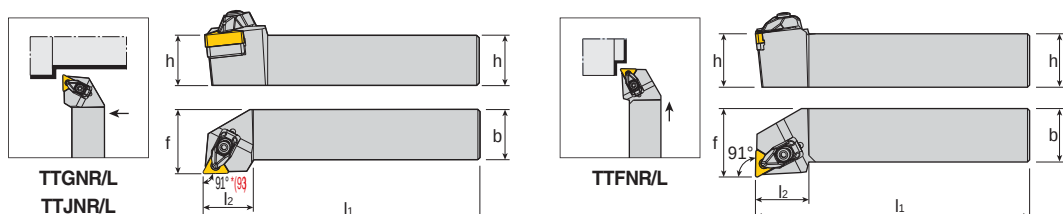
Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l ₁	l ₂	f		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Chiave	
75°	TSBNR/L 2020 K0904	20	20	125	27.5	18.5	SNMG 0904							
	TSBNR/L 2525 M0904	25	25	150	27.5	23.5								
45°	TSDNN 2020 K0904	20	20	125	28	10								
	TSDNN 2525 M0904	25	25	150	28	12.5								

TSKNR/L TSSNR/L



Angolo di entrata	Designazione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l ₁	l ₂	f		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Chiave	
75°	TSKNR/L 2020 K0904	20	20	125	23	25	SNMG 0904							
	TSKNR/L 2525 M0904	25	25	150	23	32								
45°	TSSNR/L 2020 K0904	20	20	125	29	25								
	TSSNR/L 2525 M0904	25	25	150	29	32								

TTGNR/L TTJNR/L TTFNR/L

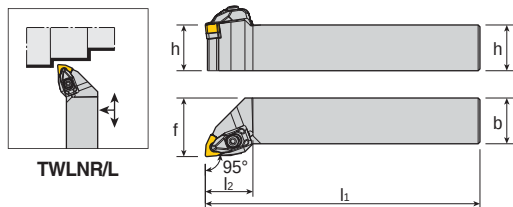


Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l ₁	l ₂	f		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Chiave	
91°	TTGNR/L 2020 H1304	20	20	100	25	25	TN 1304							
	TTGNR/L 2020 K1304	20	20	125	25	25								
	TTGNR/L 2525 M1304	25	25	150	25	32								
93°	TTJNR/L 2525 M1304	25	25	150	25	32								
91°	TTFNR/L 2020 K1304	20	20	125	25	25								
	TTFNR/L 2525 M1304	25	25	150	25	32								

*L'angolo di entrata dell'utensile TTJNR/L è a 93 gradi

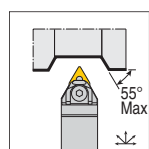


TWLNRL

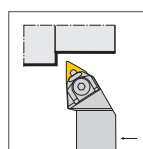
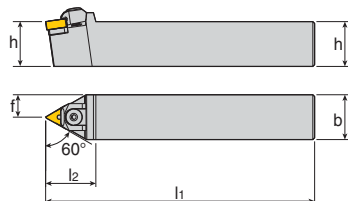


Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l ₁	l ₂	f		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchi	Molla	Chiave	
95°	TWLNRL 2020 K0604	20	20	125	26	25	WNMX	DLM	DLS 3	LSW 32A	SO 400851	DSP 3	L-W 2.5	T 15
	TWLNRL 2525 M0604	25	25	150	26	32	0604 	3-NX 						

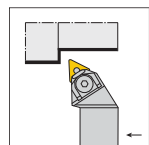
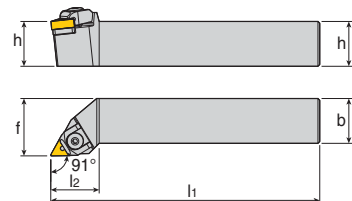
WTENN WTGNRL WTJNRL WTQNR/L



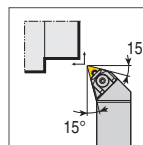
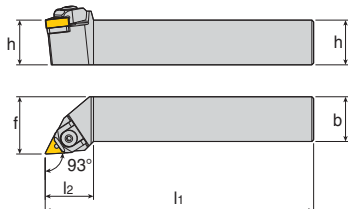
WTENN



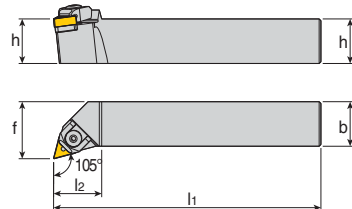
WTGNRL



WTJNRL

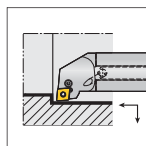


WTQNR/L



Angolo di entrata	Descrizione	Dimensioni (mm)					Inserto	Ricambi						
		h	b	l1	l2	f		Cuneo	Vite	Anello	Sottopiacchetta	Perno staffa	Chiave	
60°	WTENN 2020 K1304	20	20	125	28	10	TN 1304		WC 2.53	WCS 2.5	CSR 2	WST 2.52	WSS 2.52	L-W 2.5
	WTENN 2525 M1304	25	25	150	28	12.5								
91°	WTGNRL 2020 K1304	20	20	125	27	25								
	WTGNRL 2525 M1304	25	25	150	27	32								
93°	WTJNRL 2020 K1304	20	20	125	27	25								
	WTJNRL 2525 M1304	25	25	150	27	32								
105°	WTQNR/L 2020 K1304	20	20	125	27	25								
	WTQNR/L 2525 M1304	25	25	150	27	32								

A-HCLNR/L S-HCLNR/L



A-HCLNR/L
(con foro per refrigerante)

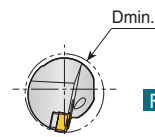
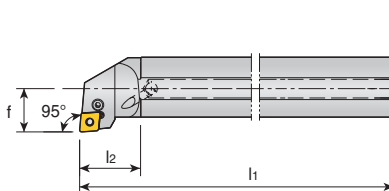
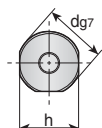
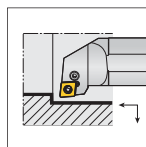


Fig.1



S-HCLNR/L

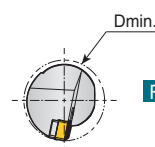
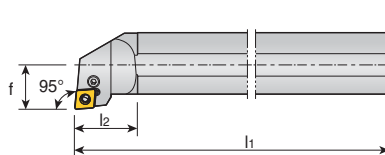
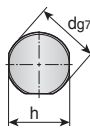


Fig.2

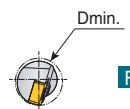
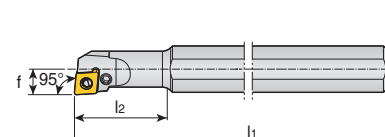
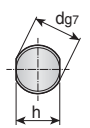


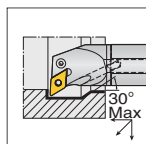
Fig.3

Descrizione	Dimensioni (mm)						Inserto	Ricambi						Fig.
	dg7	h	l1	l2	f	D min		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave	
A16Q HCLNR/L 0904	16	15	180	25	11	20	 CN□□ 0904 □□							1
A20Q HCLNR/L 0904	20	18	180	28	13	25		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	
A25R HCLNR/L 0904	25	23	200	31	17	32		LCL 09-NX	LCS 3	LSC 32	LSP 3A	-	L-W 2.5	2
A32S HCLNR/L 0904	32	30	250	31	22	40		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	
S16Q HCLNR/L 0904	16	15	180	25	11	20		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	3
S20Q HCLNR/L 0904	20	18	180	28	13	25		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	
S20Q HCLNR/L 0904-D20	20	18	180	40	11	20		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	2
S25R HCLNR/L 0904	25	23	200	31	17	32		LCL 09-NX	LCS 3	LSC 32	LSP 3A	-	L-W 2.5	
S32S HCLNR/L 0904	32	30	250	31	22	40		LCL 09-NX	LCS 3	LSC 32	LSP 3A	-	L-W 2.5	2
S40T HCLNR/L 0904	40	37	300	55	27	50		LCL 09-NX	LCS 3	LSC 32	LSP 3A	-	L-W 2.5	

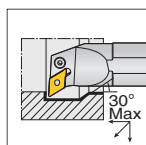


A-HDUNR/L

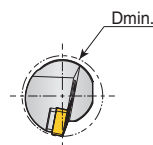
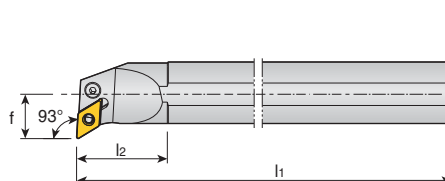
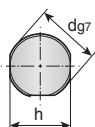
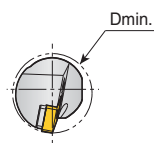
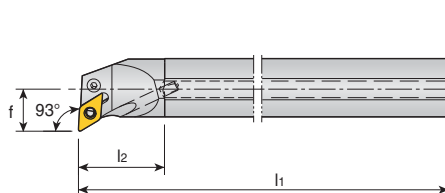
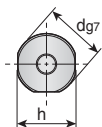
S-HDUNR/L



A-HDUNR/L
(Con foro per refrigerante)



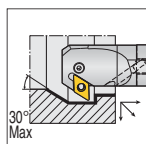
S-HDUNR/L



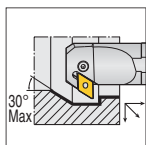
Descrizione	Dimensioni (mm)						Inserto	Ricambi						
	dg7	h	l1	l2	f	D min		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave	
A32S HDUNR/L 1305	32	30	250	45	22	40								
A40T HDUNR/L 1305	40	37	300	55	27	50	DN ☐	LCL 11-NX	LCS 4S	LSD 3.52B	LSP 4	-	L-W 3	
S32S HDUNR/L 1305	32	30	250	45	22	40	1305 ☐							
S40T HDUNR/L 1305	40	37	300	55	27	50								

A-HDZNR/L

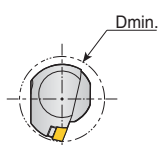
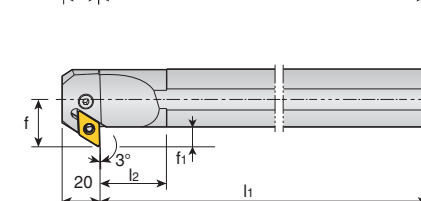
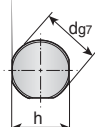
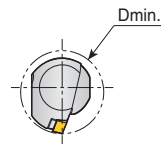
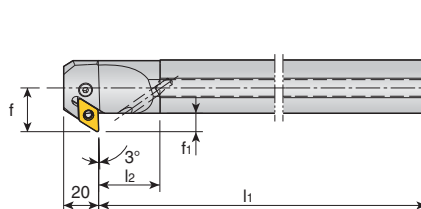
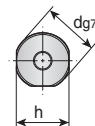
S-HDZNR/L



A-HDZNR/L
(Con foro per refrigerante)

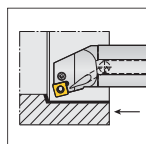


S-HDZNR/L

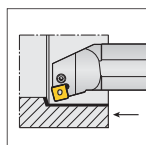


Descrizione	Dimensioni (mm)							Inserto	Ricambi					
	dg7	h	l1	l2	f	f1	D min		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave
A32S HDZNR/L 1305	32	30	250	35	25	10.5	45							
A40T HDZNR/L 1305	40	37	300	40	29	10.5	50	DN ☐	LCL 11-NX	LCS 4S	LSD 3.52B	LSP 4	-	L-W 3
S32S HDZNR/L 1305	32	30	250	35	25	10.5	45	1305 ☐						
S40T HDZNR/L 1305	40	37	300	40	29	10.5	50							

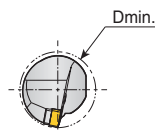
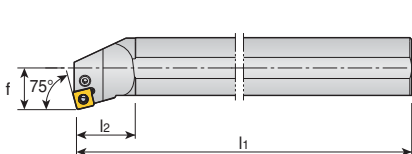
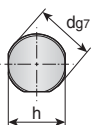
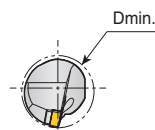
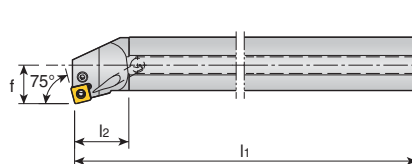
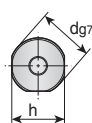
A-HSKNR/L S-HSKNR/L



A-HSKNR/L
(Con foro per refrigerante)

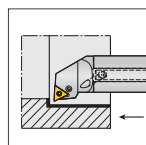


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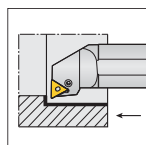


Descrizione	Dimensioni (mm)						Inserto	Ricambi					
	dg7	h	l1	l2	f	D min		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave
A25R HSKNR/L 0904	25	23	200	31	17	32	SNMG 0904	LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2
A32S HSKNR/L 0904	32	30	250	31	22	40		LCL 09-NX	LCS 3	LSS 32	LSP 3A	-	L-W 2.5
S25R HSKNR/L 0904	25	23	200	31	17	32		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2
S32S HSKNR/L 0904	32	30	250	31	22	40		LCL 09-NX	LCS 3	LSS 32	LSP 3A	-	L-W 2.5

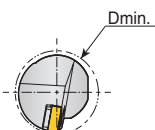
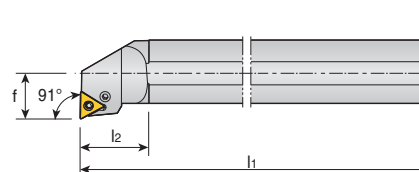
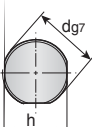
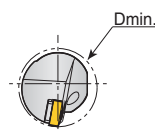
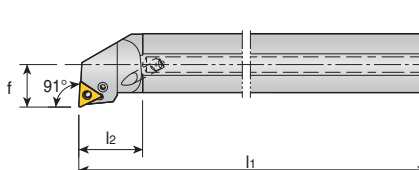
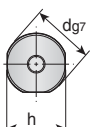
A-HTFNR/L S-HTFNR/L



A-HTFNR/L
(Con foro per refrigerante)



S-HTFNR/L

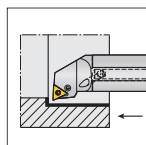


Descrizione	Dimensioni (mm)						Inserto	Ricambi					
	dg7	h	l1	l2	f	D min		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave
A16Q HTFNR/L 1304	16	15	180	25	11	20	TN 1304	LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2
A20Q HTFNR/L 1304	20	18	180	28	13	25		LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5
A25R HTFNR/L 1304	25	23	200	33	17	32		LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2
A32S HTFNR/L 1304	32	30	250	33	22	40		LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5
S16Q HTFNR/L 1304	16	15	180	25	11	20		LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2
S20Q HTFNR/L 1304	20	18	180	28	13	25		LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2
S25R HTFNR/L 1304	25	23	200	33	17	32		LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5
S32S HTFNR/L 1304	32	30	250	33	22	40		LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5

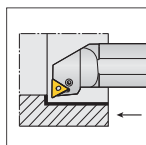


A-HTUNR/L

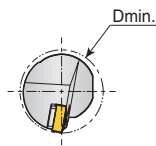
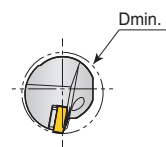
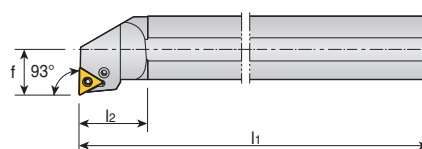
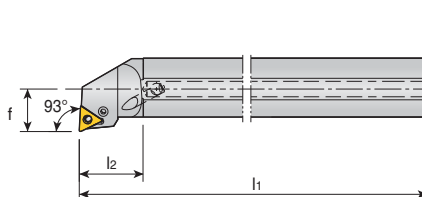
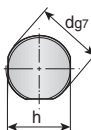
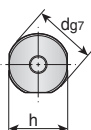
S-HTUNR/L



A-HTUNR/L
(Con foro per refrigerante)



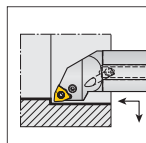
S-HTUNR/L



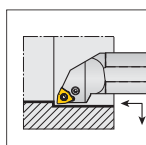
Descrizione	Dimensioni (mm)						Inserto	Ricambi					
	dg7	h	l1	l2	f	D min		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave
A16Q HTUNR/L 1304	16	15	180	25	11	20	 TN ☐ 1304 ☐						
A20Q HTUNR/L 1304	20	18	180	28	13	25		LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2
A25R HTUNR/L 1304	25	23	200	33	17	32		LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5
A32S HTUNR/L 1304	32	30	250	33	22	40		LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2
S16Q HTUNR/L 1304	16	15	180	25	11	20		LCL 08B-NX	LCS 3B	-	-	LSR 3B	L-W 2
S20Q HTUNR/L 1304	20	18	180	28	13	25		LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	L-W 2.5
S25R HTUNR/L 1304	25	23	200	33	17	32							
S32S HTUNR/L 1304	32	30	250	33	22	40							

A-HWLNR/L

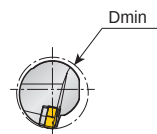
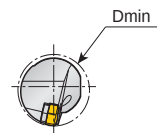
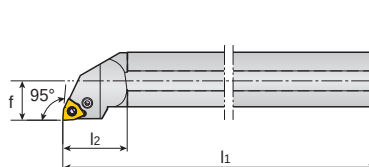
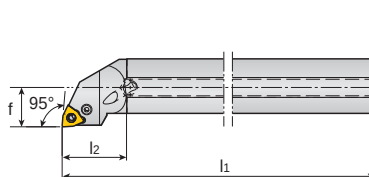
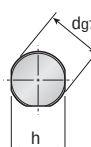
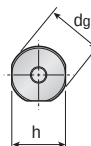
S-HWLNR/L



A-HWLNR/L
(Con foro per refrigerante)

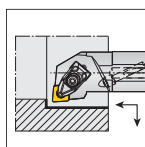


S-HWLNR/L

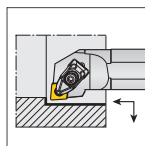
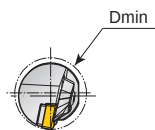
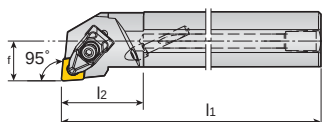
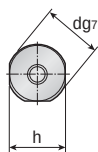


Descrizione	Dimensioni (mm)						Inserto	Ricambi					
	dg7	h	l1	l2	f	D min		Leva	Vite	Sottopiacchetta	Perno elastico	Anello	Chiave
A16Q HWLNR/L 0604	16	15	180	30	11	20	 WNMX 0604 ☐						
A20Q HWLNR/L 0604	20	18	180	33	13	25		LCL 09B-NX	LCS 3	LSW 32	LSP 3A	-	L-W 2.5
A25R HWLNR/L 0604	25	23	200	36	17	32		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2
A32S HWLNR/L 0604	32	30	250	36	22	40		LCL 09-NX	LCS 3	LSW 32	LSP 3A	-	L-W 2.5
S16Q HWLNR/L 0604	16	15	180	30	11	20		LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2
S20Q HWLNR/L 0604	20	18	180	33	13	25		LCL 09-NX	LCS 3	LSW 32	LSP 3A	-	L-W 2.5
S25R HWLNR/L 0604	25	23	200	36	17	32							
S32S HWLNR/L 0604	32	30	250	36	22	40							

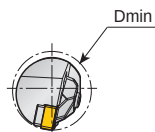
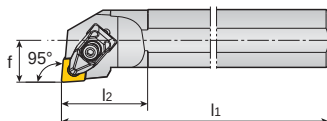
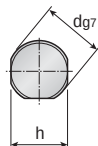
A-TCLNR/L S-TCLNR/L



A-TCLNR/L
(Con foro per refrigerante)

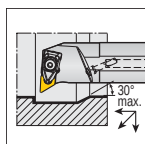


S-TCLNR/L

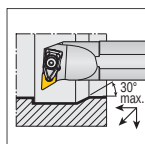
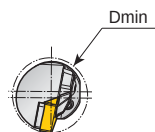
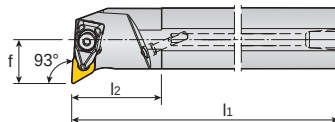
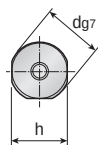


Descrizione	Dimensioni (mm)						Inserto	Ricambi									
								Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Ugello	Chiave			
	dg7	h	l1	l2	f	D min											
A25R TCLNR/L 0904	25	23	200	35	17	32											
A32S TCLNR/L 0904	32	30	250	35	22	40										SO 40073I	NZ 62
S25R TCLNR/L 0904	25	23	200	35	17	32										SO 40085I	
S32S TCLNR/L 0904	32	30	250	35	22	40										SO 40073I	
S40T TCLNR/L 0904	40	37	300	45	27	50										SO 40085I	

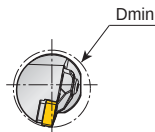
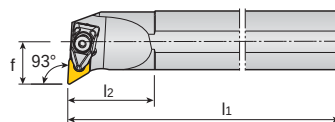
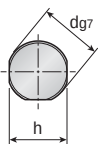
A-TDUNR/L S-TDUNR/L



A-TDUNR/L
(Con foro per refrigerante)



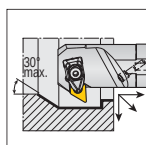
S-TDUNR/L



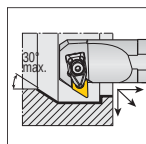
Descrizione	Dimensioni (mm)						Inserto	Ricambi							
								Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Ugello	Chiave	
	dg7	h	l1	l2	f	D min									
A32S TDUNR/L 1305	32	30	250	45	22	40	DN□□ 1305 □□	DLM 3.5- NX	DLS 4	LSD 3.52B	TS 50A105I	DSP 4	NZ 62	L-W 3	T 20
A40T TDUNR/L 1305	40	37	300	55	27	50							NZ 104		
S32S TDUNR/L 1305	32	30	250	45	22	40							-		
S40T TDUNR/L 1305	40	37	300	55	27	50									



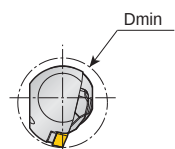
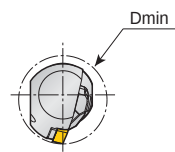
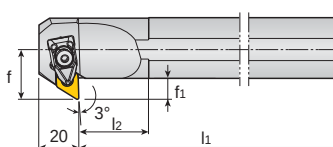
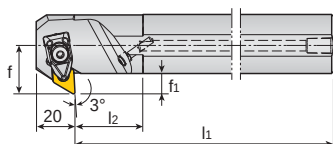
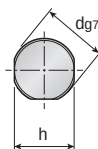
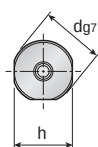
A-TDZNR/L S-TDZNR/L



A-TDZNR/L
(Con foro per refrigerante)

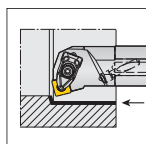


S-TDZNR/L

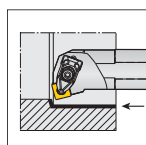


Descrizione	Dimensioni (mm)						Inserto	Ricambi							
	dg7	h	l1	l2	f	f1		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Ugello	Chiave	
A32S TDZNR/L 1305	32	30	250	35	25	10.5	45	 DN ☐ 1305 ☐	 DLM 3.5-NX	 DLS 4	 LSD 3.52B	 TS 50A105I	 DSP 4	 NZ 62 NZ 104 -	 L-W 3 T 20
A40T TDZNR/L 1305	40	37	300	40	29	10.5	50								
S32S TDZNR/L 1305	32	30	250	35	25	10.5	45								
S40T TDZNR/L 1305	40	37	300	40	29	10.5	50								

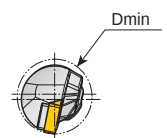
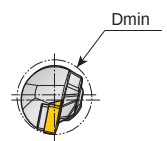
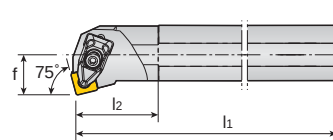
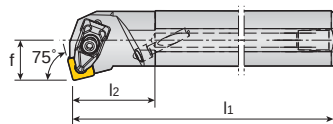
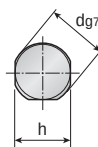
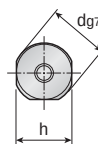
A-TSKNR/L S-TSKNR/L



A-TSKNR/L
(Con foro per refrigerante)



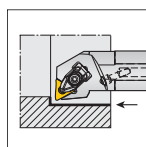
S-TSKNR/L



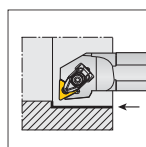
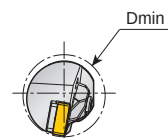
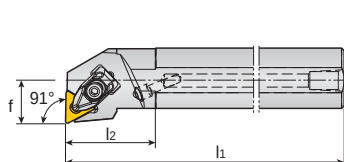
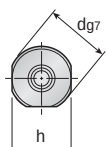
Descrizione	Dimensioni (mm)						Inserto	Ricambi								
								Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Ugello	Chiave		
	dg7	h	l1	l2	f	D min										
A25R TSKNR/L 0904	25	23	200	35	17	32	SNMG 0904 ☐				SO 40073I			NZ 62		
A32S TSKNR/L 0904	32	30	250	35	22	40					SO 40085I					
S25R TSKNR/L 0904	25	23	200	35	17	32					SO 40073I					
S32S TSKNR/L 0904	32	30	250	35	22	40					SO 40085I					

• Inserto sinistro "L"- per utensile destro "R"; inserto destro "R"- per utensile sinistro "L".

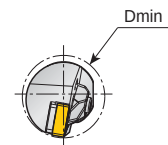
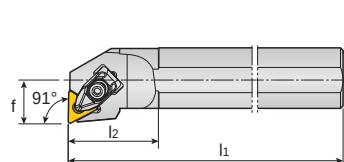
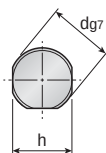
A-TTFNR/L S-TTFNR/L



A-TTFNR/L
(Con foro per refrigerante)

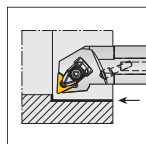


S-TTFNR/L

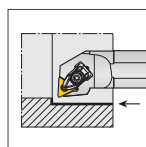
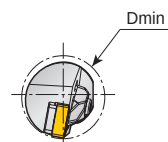
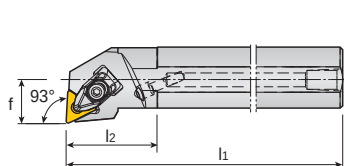
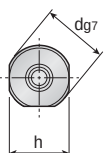


Descrizione	Dimensioni (mm)						Inserto	Ricambi							
	dg7	h	l1	l2	f	D min		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Ugello	Chiave	
A25R TTFNR/L 1304	25	30	200	35	17	32	 TNMG 1304	 DLM 2.5-NX	 DLS 3	 LST 2.52B	 SO 400731 SO 400851 SO 400731 SO 400851	 DSP 3	 NZ 62	 L-W 2.5	 T 15
A32S TTFNR/L 1304	32	30	250	35	22	40									
S25R TTFNR/L 1304	25	23	200	35	17	32									
S32S TTFNR/L 1304	32	30	250	35	22	40									

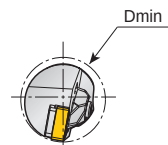
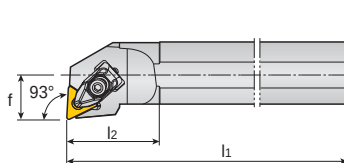
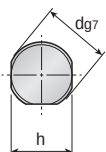
A-TTUNR/L S-TTUNR/L



A-TTUNR/L
(Con foro per refrigerante)



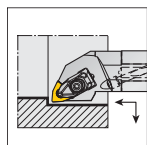
S-TTUNR/L



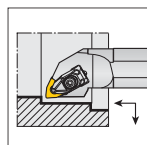
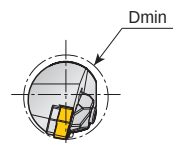
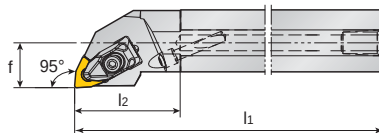
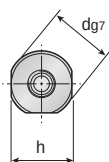
Descrizione	Dimensioni (mm)						Inserto	Ricambi							
	dg7	h	l1	l2	f	D min		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Ugello	Chiave	
A25R TTUNR/L 1304	25	23	200	35	17	32	 TNMG 1304	 DLM 2.5-NX	 DLS 3	 LST 2.52B	 SO 400731 SO 400851 SO 400731 SO 400851	 DSP 3	 NZ 62	 L-W 2.5	 T 15
A32S TTUNR/L 1304	32	30	250	35	22	40									
S25R TTUNR/L 1304	25	23	200	35	17	32									
S32S TTUNR/L 1304	32	30	250	35	22	40									



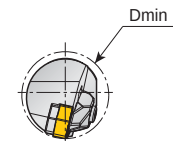
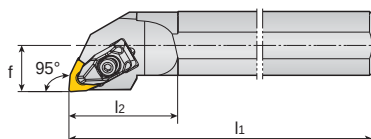
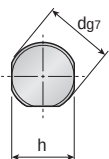
A-TWLNRL S-TWLNRL



A-TWLNRL/L
(Con foro per refrigerante)

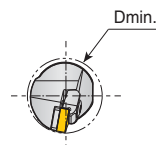
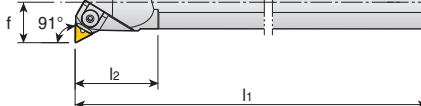
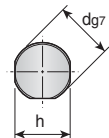
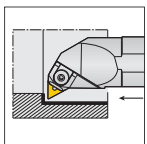


S-TWLNRL/L



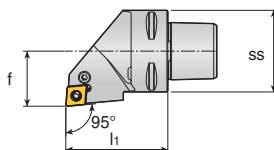
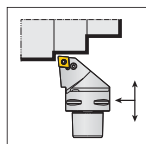
Descrizione	Dimensioni (mm)						Inserto	Ricambi							
	dg7	h	l1	l2	f	D min		Staffa	Vite staffa	Sottopiacchetta	Vite sottopiacchetta	Molla	Ugello	Chiave	
A25R TWLNRL/L 0604	25	23	200	40	17	32	WNMX 0604				SO 40073I SO 40085I SO 40073I SO 40085I				
A32S TWLNRL/L 0604	32	30	250	45	22	40									
S25R TWLNRL/L 0604	25	23	200	40	17	32									
S32S TWLNRL/L 0604	32	30	250	45	22	40									

S-WTFNRL



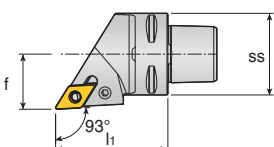
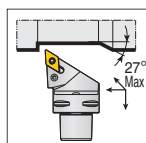
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	dg7	h	l1	l2	f	D min		Cuneo	Vite	Anello	Sottopiacchetta	Perno staffa	Chiave	
S25R WTFNRL/L 1304	25	23	200	40	17	32	TN 1304							
S32S WTFNRL/L 1304	32	30	250	45	22	40								

HCLNR/L



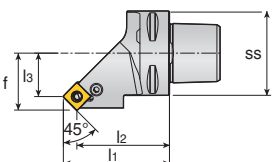
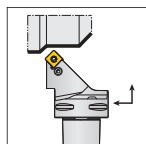
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C4-HCLNR/L 27050-0904	40	27	50	CNMG 0904	LCL 09-NX	LCS 3	LSC 32	LSP 3A	NZ 83	L-W 2.5	SPP 3-4

HDJNR/L



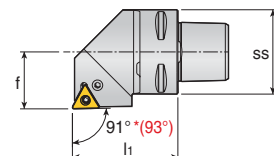
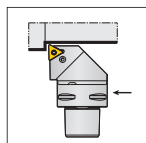
Descrizione	Dimensioni (mm)			Inserto	Ricambi						
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C4-HDJNR/L 27055-1305	40	27	55	DN 1305	LCL 11-NX	LCS 4	LSD 3.52	LSP 4	NZ 83	L-W 3	SPP 3-4

HSSNR/L



Descrizione	Dimensioni (mm)					Inserto	Ricambi						
							Leva	Vite	Sottopiacchetta	Perno elastico	Ugello	Chiave	Perno sottopiac
	ss	f	l1	l2	l3								
C4-HSSNR/L 27042-0904	40	27	50.3	44	20.6	SNMG 0904 	LCL 09-NX	LCS 3	LSS 32A	LSP 3A	NZ 83	L-W 2.5	SPP 3-4

HTGNR/L HTJNR/L

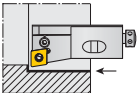
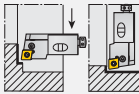
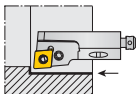
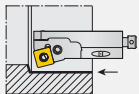
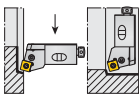
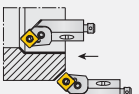
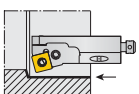
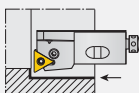
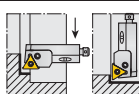
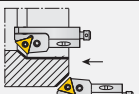
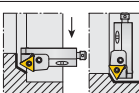
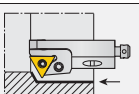


Descrizione	Dimensioni (mm)			Inserto	Ricambi					
	ss	f	l1		Leva	Vite	Sottopiacchetta	Perno elastico	Ugello	Chiave
C4-HTGNR/L 27050-1304	40	27	50	TNMG 1304	LCL 08-NX	LCS 3-NX	LST 2.51.8	LSP 3B	NZ 83	L-W 2.5
*C4-HTJNR/L 27050-1304	40	27	50							

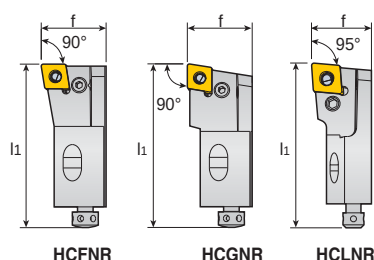
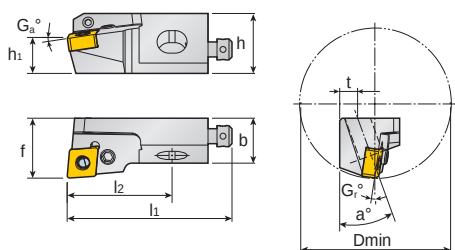
*L'angolo di entrata dell'utensile HTJNR/L è a 93 gradi



Programma Cartucce

Angolo di entrata	Tipo	Misura Cartuccia				
		10CA	12CA	16CA	20CA	25CA
90°				16CA 0904		
90°				16CA 0904		
95°			12CA 0904	16CA 0904		
75°		10CA 0904	12CA 0904			
75°				16CA 0904		
45°			12CA 0904	16CA 0904		
85°		10CA 0904	12CA 0904			
90°			12CA 1304	16CA 1304		
90°			12CA 1304	16CA 1304		
45°			12CA 1304	16CA 1304		
60°			12CA 1304			
60°			12CA 1304			

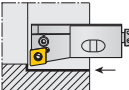
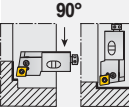
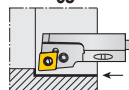
HCFNR/L HCGNR/L HCLNR/L



HCFNR

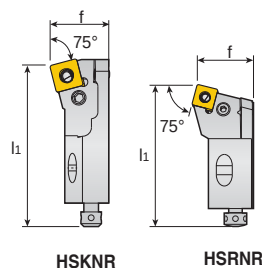
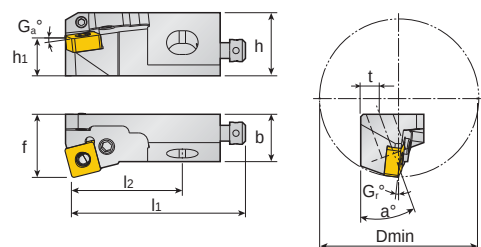
HCGNR

HCLNR

Angolo di entrata	Descrizione	Inserto	Dimensioni (mm)										
			h	h ₁	b	l ₁	l ₂	f	G _a °	G _r °	t	a°	Dmin
90° 	HCFNR/L 16CA 0904	CN  0904 	25	16	20	63	38	25	-6°	-8°	0	45°	55
90° 	HCGNR/L 16CA 0904		25	16	20	63	38	25	-10°	-8°	0	45°	55
95° 	HCLNR/L 12CA 0904		20	12	15	55	35	20	-8°	-8°	6	20°	50
	HCLNR/L 16CA 0904		25	16	20	63	38	25	-8°	-8°	0	45°	55

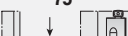
• Tutte le cartucce devono essere ordinate come speciale

HSKNR/L HSRNR/L



HSKNR

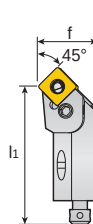
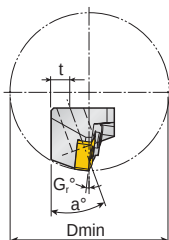
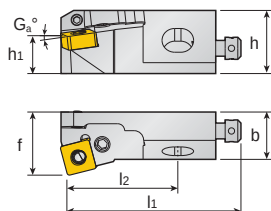
HSRNR

Angolo di entrata	Descrizione	Inserto	Dimensioni (mm)										
			h	h ₁	b	l ₁	l ₂	f	G _a °	G _r °	t	a °	Dmin
75° 	HSKNR/L 10CA 0904	SNMG 0904  	17	10	11	50	30	14	-4°	-9°	5	20°	40
	HSKNR/L 12CA 0904		20	12	15	55	35	20	-4°	-9°	6	20°	50
75° 	HSRNR/L 16CA 0904		25	16	20	63	38	25	-11°	-3°	0	45°	60

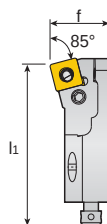
• Tutte le cartucce devono essere ordinate come speciale



HSSNR/L HSYNR/L



HSSNR

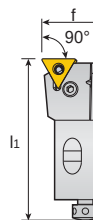
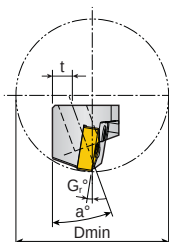
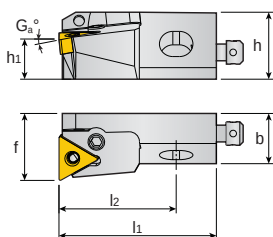


HSYNR

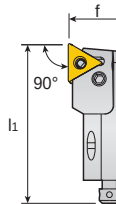
Angolo di entrata	Descrizione	Inserto	Dimensioni (mm)										
			h	h1	b	l1	l2	f	G _a °	G _r °	t	a°	Dmin
	HSSNR/L 12CA 0904	SNMG 0904	20	12	15	47	27	20	-9°	-8°	6	20°	50
	HSSNR/L 16CA 0904		25	16	20	53	28	25	-8°	-8°	0	45°	55
	HSYNR/L 10CA 0904		17	10	11	50	30	14	-5°	-9°	5	20°	40
	HSYNR/L 12CA 0904		20	12	15	55	35	20	-4°	-9°	6	20°	50

• Tutte le cartucce devono essere ordinate come speciale

HTFNR/L HTGNR/L



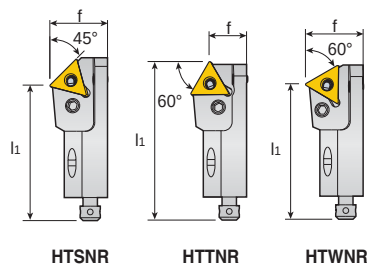
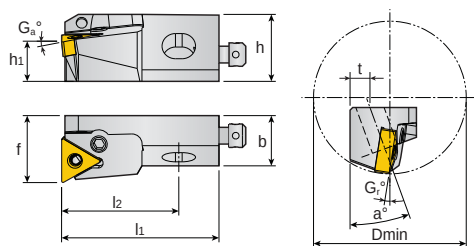
HTFNR

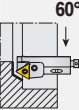
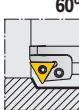


HTGNR

Angolo di entrata	Descrizione	Inserto	Dimensioni (mm)										
			h	h1	b	l1	l2	f	G _a °	G _r °	t	a°	Dmin
	HTFNR/L 12CA 1304	TN 1304	20	12	15	55	35	20	-6°	-9°	6	20°	50
	HTFNR/L 16CA 1304		25	16	20	63	38	25	-6°	-8°	0	45°	55
	HTGNR/L 12CA 1304		20	12	15	55	35	20	-10°	-8°	6	20°	50
	HTGNR/L 16CA 1304		25	16	20	63	38	25	-10°	-8°	0	45°	60

HTSNR/L HTTNR/L HTWNR/L



Angolo di entrata	Descrizione	Inserto	Dimensioni (mm)										Dmin
			h	h1	b	l1	l2	f	G_a°	G_r°	t	a°	
	HTSNR/L 12CA 1304		20	12	15	47	27	20	-5°	-9°	6	20°	50
	HTSNR/L 16CA 1304		25	16	20	53	28	25	-8°	-8°	0	45°	55
	HTTNR/L 12CA 1304		20	12	15	55	35	13	-6°	-7°	6	20°	50
	HTWNR/L 12CA 1304		20	12	15	47	27	20	-3°	-9°	6	20°	50

• Tutte le cartucce devono essere ordinate come speciale



Ricambi cartucce

Descrizione cartucce		Leva ad uncino	Vite	Sottopiacchetta	Perno sottopiacchetta	Anello	Vite di regolazione assiale	Vite di regolazione radiale	Vite di montaggio	Distanziale	Chiave
HCLNR/L	12CA 0904	LCL 09B-NX	LCS 3B	-	-	LSR 3B	AJM 5F	RSS M4	BH M6x1x25	MW 6.4x12	L-W 2
HCFNR/L HCGNR/L HCLNR/L	16CA 0904	LCL 09-NX	LCS 3	LCS 32	LSP 3A	-	ASM 6	RSS M5	BH M8x1.25x30	MW 8.4x18	L-W 2.5
HSKNR/L HSYNR/L	10CA 0904	LCL 09B-NX	LCS 3B	-	-	LSR 3B	AJM 5F	RSS M4	BH M6x1x25	MW 6.4x12	L-W 2
HSKNR/L HSSNR/L HSYNR/L	12CA 0904	LCL 09B-NX	LCS 3B	-	-	LSR 3B	AJM 5F	RSS M4	BH M6x1x25	MW 6.4x12	L-W 2
HSRNR/L HSSNR/L	16CA 0904	LCL 09-NX	LCS 3	LSS 32	LSP 3A	-	ASM 6	RSS M5	BH M8x1.25x30	MW 8.4x18	L-W 2.5
HTFNR/L HTGNR/L HTSNR/L HTTNR/L HTWNR/L	12CA 1304	LCL 08B-NX	LCS 3B	-	-	LSR 3B	AJM 5F	RSS M4	BH M6x1x25	MW 6.4x12	L-W 2
HTFNR/L HTGNR/L HTSNR/L	16CA 1304	LCL 08-NX	LCS 3-NX	LST 2.51.8B	LSP 3B	-	ASM 6	RSS M5	BH M8x1.25x30	MW 8.4x18	L-W 2.5



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- Sistema di bloccaggio di ultima generazione: forza di bloccaggio bi-direzionale
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