



ALÉSOIRS DE PRÉCISION

ALÉSOIRS EXPANSIBLES

2

TÊTES EXPANSIBLES & FIXES

18

BAGUES COUPANTES EXPANSIBLES

28

ALÉSOIRS FIXES

36

ALÉSOIRS PCD & OUTILS SPÉCIAUX

50

PORTE-OUTILS DE COMPENSATION

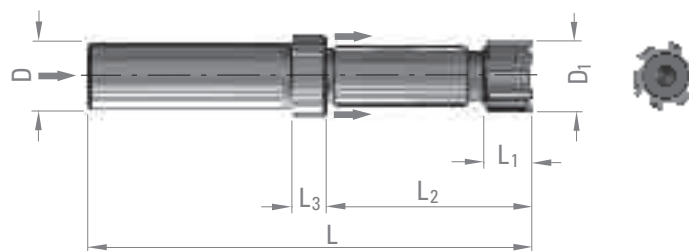
56

CONDITIONS DE COUPE

70

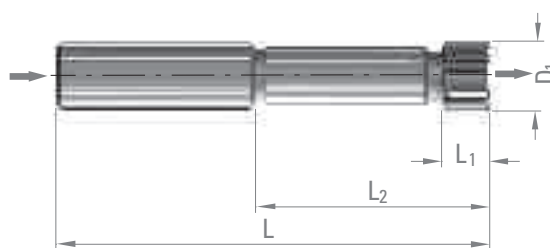
ALÉSOIRS EXPANSIBLES
AVEC ARROSAGE, CYL.
NACHSTELL-REIBAHLEN
MIT KÜHLUNG, ZYL.
ALESATORI ESPANSIBILI
CON REFRIGERAZIONE, CIL.

POLY 4361-1

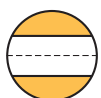
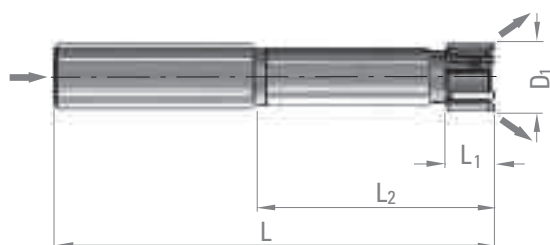


D ₁	L	L ₁	L ₂	L ₃	D _{h6}	Z	HM	TiALN	CERMET
5.80 - 7.60	80	10	40	0	12	4	■	□	■
7.61 - 8.60	80	10	40	0	12	4	■	□	■
8.61 - 9.60	90	10	50	0	12	4	■	□	■
9.61 - 10.60	90	10	50	0	12	4	■	□	■
10.61 - 14.60	100	10	50	10	12	6	■	□	■
14.61 - 15.60	100	14	50	10	12	6	■	□	■
15.61 - 18.60	110	14	50	10	16	6	■	□	■
18.61 - 21.10	130	14	60	10	20	6	■	□	■
21.11 - 25.10	130	14	60	10	20	6	■	□	■
25.11 - 28.10	145	18	75	10	25	6	■	□	■
28.11 - 33.10	145	18	75	10	25	6	■	□	■

POLY 4361-2



POLY 4361-3

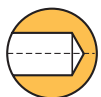


POLY 4361-1



POLY 4361-3

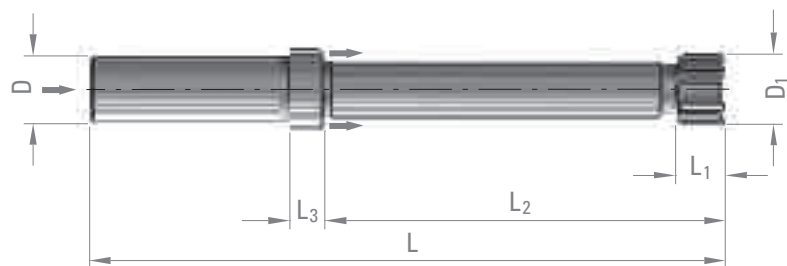
Standard
Standard
Standard



POLY 4361-2

Sur demande
Auf Anfrage
A richiesta

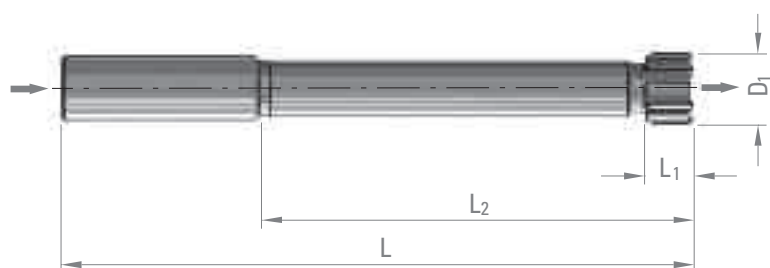




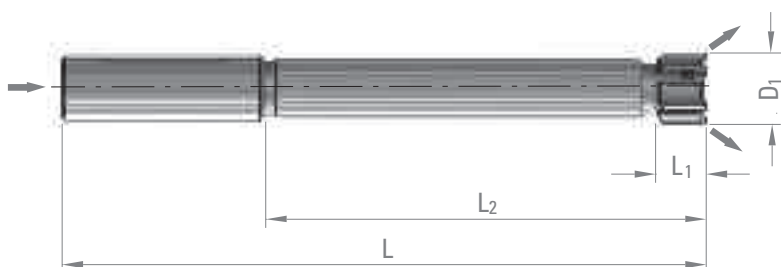
ALÉSOIRS EXPANSIBLES
AVEC ARROSAGE, CYL.
NACHSTELL-REIBAHLEN
MIT KÜHLUNG, ZYL.
ALESATORI ESPANSIBILI
CON REFRIGERAZIONE, CIL.

POLY 4371-1

D ₁	L	L ₁	L ₂	L ₃	D _{h6}	Z	HM	TiAlN	CERMET
5.80 - 7.60	120	10	80	0	12	4	■	□	■
7.61 - 8.60	120	10	80	0	12	4	■	□	■
8.61 - 9.60	130	10	90	0	12	4	■	□	■
9.61 - 10.60	130	10	90	0	12	4	■	□	■
10.61 - 14.60	150	10	100	10	12	6	■	□	■
14.61 - 15.60	150	14	100	10	12	6	■	□	■
15.61 - 18.60	160	14	100	10	16	6	■	□	■
18.61 - 21.10	190	14	120	10	20	6	■	□	■
21.11 - 25.10	190	14	120	10	20	6	■	□	■
25.11 - 28.10	220	18	150	10	25	6	■	□	■
28.11 - 33.10	220	18	150	10	25	6	■	□	■



POLY 4371-2



POLY 4371-3



Standard
Standard
Standard

POLY 4371-3



POLY 4371-1



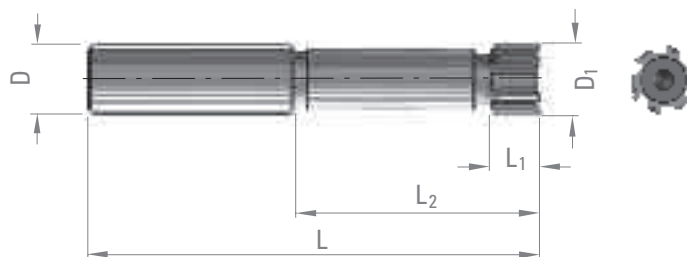
Sur demande
Auf Anfrage
A richiesta

POLY 4371-2

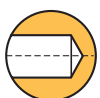


ALÉSOIRS EXPANSIBLES, CYL.
NACHSTELL-REIBAHLEN, ZYL.
ALESATORI ESPANSIBILI, CIL.

POLY 4331



D ₁	L	L ₁	L ₂	D _{h6}	Z	HM	TiAlN	CERMET
5.80 - 7.60	80	10	40	12	4	■	□	■
7.61 - 8.60	80	10	40	12	4	■	□	■
8.61 - 9.60	90	10	50	12	4	■	□	■
9.61 - 10.60	90	10	50	12	4	■	□	■
10.61 - 14.60	100	10	50	12	6	■	□	■
14.61 - 15.60	100	14	50	12	6	■	□	■
15.61 - 18.60	110	14	50	16	6	■	□	■
18.61 - 21.10	130	14	60	20	6	■	□	■
21.11 - 25.10	130	14	60	20	6	■	□	■
25.11 - 28.10	145	18	75	25	6	■	□	■
28.11 - 33.10	145	18	75	25	6	■	□	■

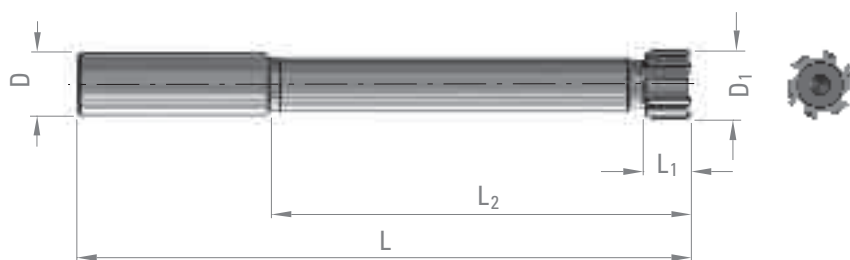


Standard
Standard
Standard



Sur demande
Auf Anfrage
A richiesta





ALÉSOIRS EXPANSIBLES, CYL.
NACHSTELL-REIBAHLEN, ZYL.
ALESATORI ESPANSIBILI, CIL.

POLY 4341

D ₁	L	L ₁	L ₂	D _{h6}	Z	HM	TiALN	CERMET
5.80 - 7.60	120	10	80	12	4	■	□	■
7.61 - 8.60	120	10	80	12	4	■	□	■
8.61 - 9.60	130	10	90	12	4	■	□	■
9.61 - 10.60	130	10	90	12	4	■	□	■
10.61 - 14.60	150	10	100	12	6	■	□	■
14.61 - 15.60	150	14	100	12	6	■	□	■
15.61 - 18.60	160	14	100	16	6	■	□	■
18.61 - 21.10	190	14	120	20	6	■	□	■
21.11 - 25.10	190	14	120	20	6	■	□	■
25.11 - 28.10	220	18	150	25	6	■	□	■
28.11 - 33.10	220	18	150	25	6	■	□	■



Standard
Standard
Standard

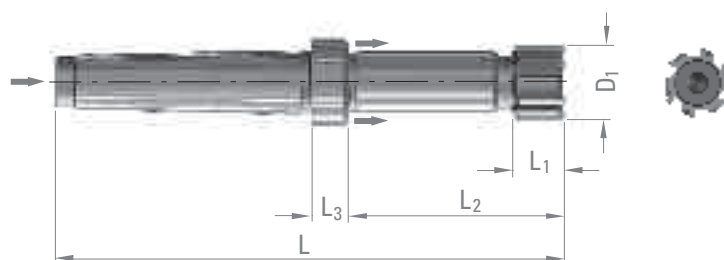


Sur demande
Auf Anfrage
A richiesta



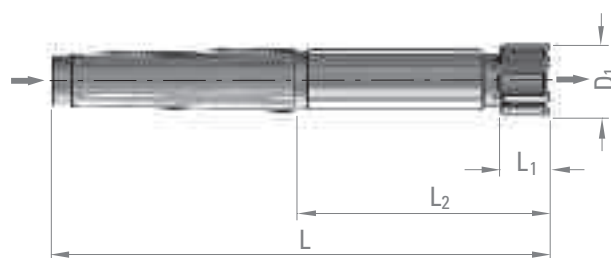
ALÉSOIRS EXPANSIBLES
AVEC ARROSAGE, CM
NACHSTELL-REIBAHLEN
MIT KÜHLUNG, MK
ALESATORI ESPANSIBILI
CON REFRIGERAZIONE, CM

POLY 4360-1

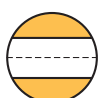
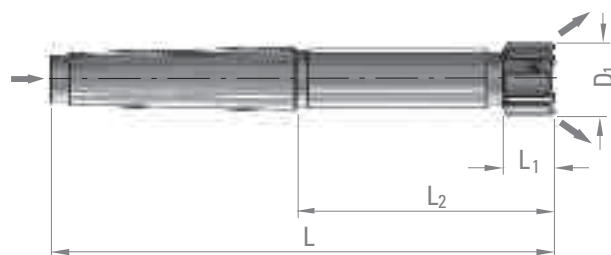


D ₁	L	L ₁	L ₂	L ₃	CM MK	Z	HM	TiALN	CERMET
5.80 - 7.60	108	10	40	11	1	4	■	□	■
7.61 - 8.60	108	10	40	11	1	4	■	□	■
8.61 - 9.60	131	10	50	12	2	4	■	□	■
9.61 - 10.60	131	10	50	12	2	4	■	□	■
10.61 - 14.60	131	10	50	12	2	6	■	□	■
14.61 - 15.60	131	14	50	12	2	6	■	□	■
15.61 - 18.60	131	14	50	12	2	6	■	□	■
18.61 - 21.10	142	14	60	13	2	6	■	□	■
21.11 - 25.10	142	14	60	13	2	6	■	□	■
25.11 - 28.10	174	18	75	13	3	6	■	□	■
28.11 - 33.10	174	18	75	13	3	6	■	□	■

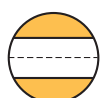
POLY 4360-2



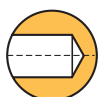
POLY 4360-3



POLY 4360-1

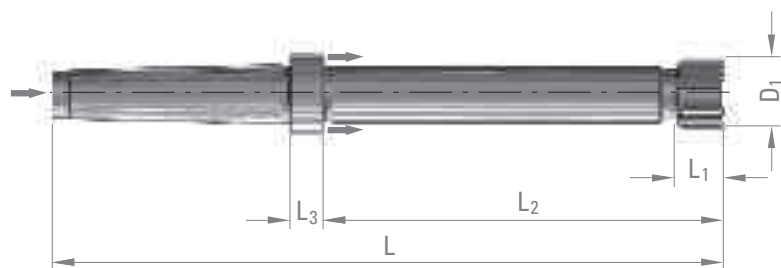


POLY 4360-3



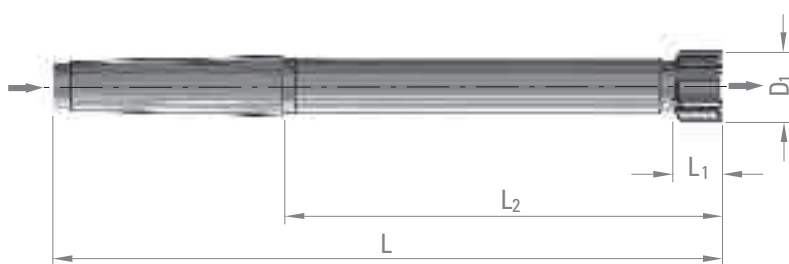
POLY 4360-2

ALÉSOIRS EXPANSIBLES
AVEC ARROSAGE, CM
NACHSTELL-REIBAHLEN
MIT KÜHLUNG, MK
ALESATORI ESPANSIBILI
CON REFRIGERAZIONE, CM

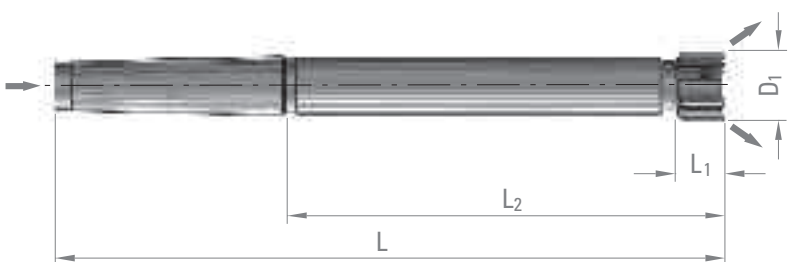


POLY 4370-1

D ₁	L	L ₁	L ₂	L ₃	CM MK	Z	HM	TiAlN	CERMET
5.80 - 7.60	148	10	80	11	1	4	■	□	■
7.61 - 8.60	148	10	80	11	1	4	■	□	■
8.61 - 9.60	171	10	90	12	2	4	■	□	■
9.61 - 10.60	171	10	90	12	2	4	■	□	■
10.61 - 14.60	181	10	100	12	2	6	■	□	■
14.61 - 15.60	181	14	100	12	2	6	■	□	■
15.61 - 18.60	181	14	100	12	2	6	■	□	■
18.61 - 21.10	202	14	120	13	2	6	■	□	■
21.11 - 25.10	202	14	120	13	2	6	■	□	■
25.11 - 28.10	249	18	150	13	3	6	■	□	■
28.11 - 33.10	249	18	150	13	3	6	■	□	■



POLY 4370-2



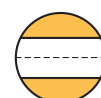
POLY 4370-3



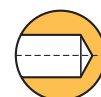
POLY 4370-3



POLY 4370-1

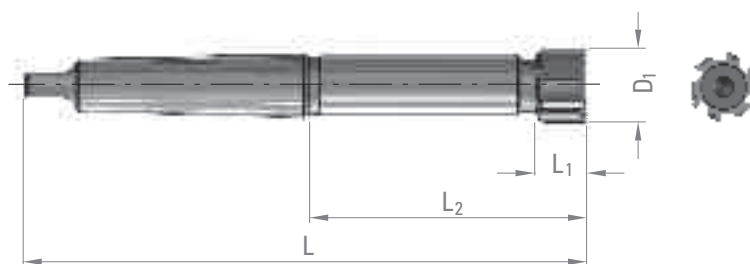


POLY 4370-2



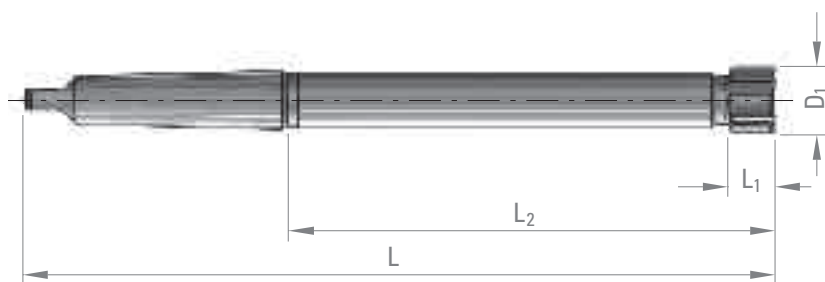
ALÉSOIRS EXPANSIBLES, CM
NACHSTELL-REIBAHLEN, MK
ALESATORI ESPANSIBILI, CM

POLY 4310



D ₁	L	L ₁	L ₂	CM MK	Z	HM	TiALN	CERMET
5.80 - 7.60	125	10	59	1	4	■	□	■
7.61 - 9.60	125	10	59	1	4	■	□	■
9.61 - 10.60	125	10	59	1	4	■	□	■
10.61 - 14.60	125	10	59	1	6	■	□	■
14.61 - 15.60	125	14	59	1	6	■	□	■
15.61 - 21.10	160	14	80	2	6	■	□	■
21.11 - 22.10	160	14	80	2	6	■	□	■
22.11 - 28.10	200	18	101	3	6	■	□	■
28.11 - 33.10	200	18	101	3	6	■	□	■

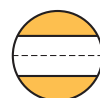




ALÉSOIRS EXPANSIBLES, CM
NACHSTELL-REIBAHLEN, MK
ALESATORI ESPANSIBILI, CM

POLY 4300

D ₁	L	L ₁	L ₂	CM MK	Z	HM	TiALN	CERMET
5.80 - 6.60	138	10	72	1	4	■	□	■
6.61 - 7.60	150	10	84	1	4	■	□	■
7.61 - 8.60	156	10	90	1	4	■	□	■
8.61 - 9.60	162	10	96	1	4	■	□	■
9.61 - 10.60	168	10	102	1	4	■	□	■
10.61 - 11.60	175	10	109	1	6	■	□	■
11.61 - 13.60	182	10	116	1	6	■	□	■
13.61 - 14.60	189	10	123	1	6	■	□	■
14.61 - 15.60	204	14	124	2	6	■	□	■
15.61 - 16.60	210	14	130	2	6	■	□	■
16.61 - 17.60	214	14	134	2	6	■	□	■
17.61 - 18.60	219	14	139	2	6	■	□	■
18.61 - 19.10	223	14	143	2	6	■	□	■
19.11 - 20.10	228	14	148	2	6	■	□	■
20.11 - 21.10	232	14	152	2	6	■	□	■
21.11 - 22.10	237	14	157	2	6	■	□	■
22.11 - 23.10	241	14	161	2	6	■	□	■
23.11 - 25.10	268	14	169	3	6	■	□	■
25.11 - 26.10	273	14	174	3	6	■	□	■
26.11 - 28.10	277	18	178	3	6	■	□	■
28.11 - 31.10	281	18	182	3	6	■	□	■
31.11 - 39.10	299	18	200	3	6	■	□	■
39.11 - 45.10	324	18	200	4	6	■	□	■

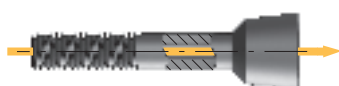


VIS POUR ALÉSOIRS
EXPANSIBLES
*SCHRAUBEN FÜR
NACHSTELL-REIBAHLEN*
VITI PER ALESATORI
ESPANSIBILI

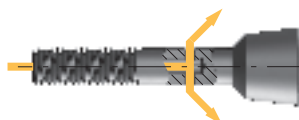
POLY 6038



POLY 6039



POLY 6040



D ₁	Art.	Art.	Art.	M
5.80 - 6.60	400101	400201	959232	2.5 x 0.35
6.61 - 7.60	400102	400202	959233	2.5 x 0.35
7.61 - 8.60	400103	400203	959234	3 x 0.35
8.61 - 9.60	400104	400204	959235	3 x 0.35
9.61 - 10.60	400105	400205	959237	4 x 0.50
10.61 - 11.60	400106	400206	959238	4 x 0.50
11.61 - 12.60	400107	400207	959239	4 x 0.50
12.61 - 13.60	400108	400208	959240	5 x 0.50
13.61 - 14.60	400109	400209	959241	5 x 0.50
14.61 - 15.60	400110	400210	959242	5 x 0.50
15.61 - 16.60	400111	400211	959243	5 x 0.50
16.61 - 17.60	400112	400212	959244	6 x 0.50
17.61 - 18.60	400113	400213	959245	6 x 0.50
18.61 - 19.10	400114	400214	959246	6 x 0.50
19.11 - 20.10	400115	400215	959247	6 x 0.50
20.11 - 21.10	400116	400216	959248	6 x 0.50
21.11 - 22.10	400117	400217	959249	8 x 0.75
22.11 - 23.10	400118	400218	959250	8 x 0.75
23.11 - 24.10	400119	400219	959251	8 x 0.75
24.11 - 25.10	400120	400220	959252	8 x 0.75
25.11 - 26.10	400121	400221	959253	8 x 0.75
26.11 - 27.10	400122	400222	959254	8 x 0.75
27.11 - 28.10	400123	400223	959255	12 x 0.75
28.11 - 29.10	400124	400224	959256	12 x 0.75
29.11 - 31.10	400125	400225	959257	12 x 0.75
31.11 - 33.10	400126	400226	959258	12 x 0.75
33.11 - 35.10	400127	400227	959259	12 x 0.75
35.11 - 37.10	400128	400228	959260	12 x 0.75
37.11 - 39.10	400129	400229	959261	12 x 0.75
39.11 - 41.10	400130	400230	959262	12 x 0.75
41.11 - 43.10	400131	400231	959263	12 x 0.75
43.11 - 45.10	400132	400232	959264	12 x 0.75
45.11 - 47.10	400133	400233	959265	12 x 0.75
47.11 - 49.10	400134	400234	959266	12 x 0.75
49.11 - 51.10	400135	400235	959267	12 x 0.75



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OUTILS SPÉCIAUX EXPANSIBLES
SONDERWERKZEUGE NACHSTELLBAR
UTENSILI ESPANSIBILI SPECIALI

Dimensions et tolérances du trou à usiner
Abmessungen und Toleranzen der Bohrung
Dimensioni e tolleranze del foro da lavorare

Trou
Bohrung
Foro



Arrosage
Kühlung
Refrigerazione

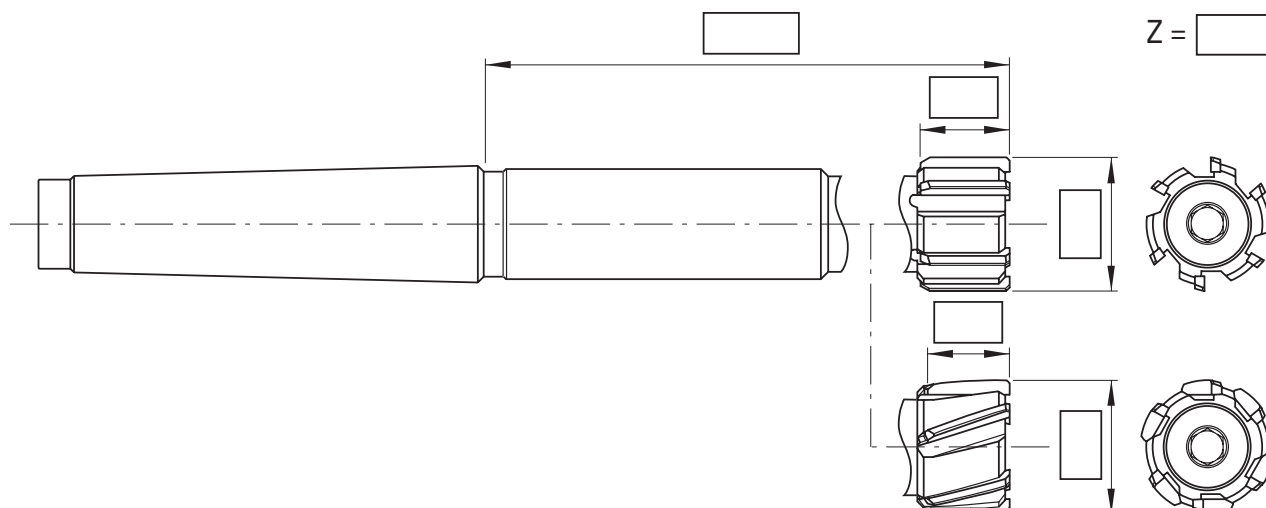
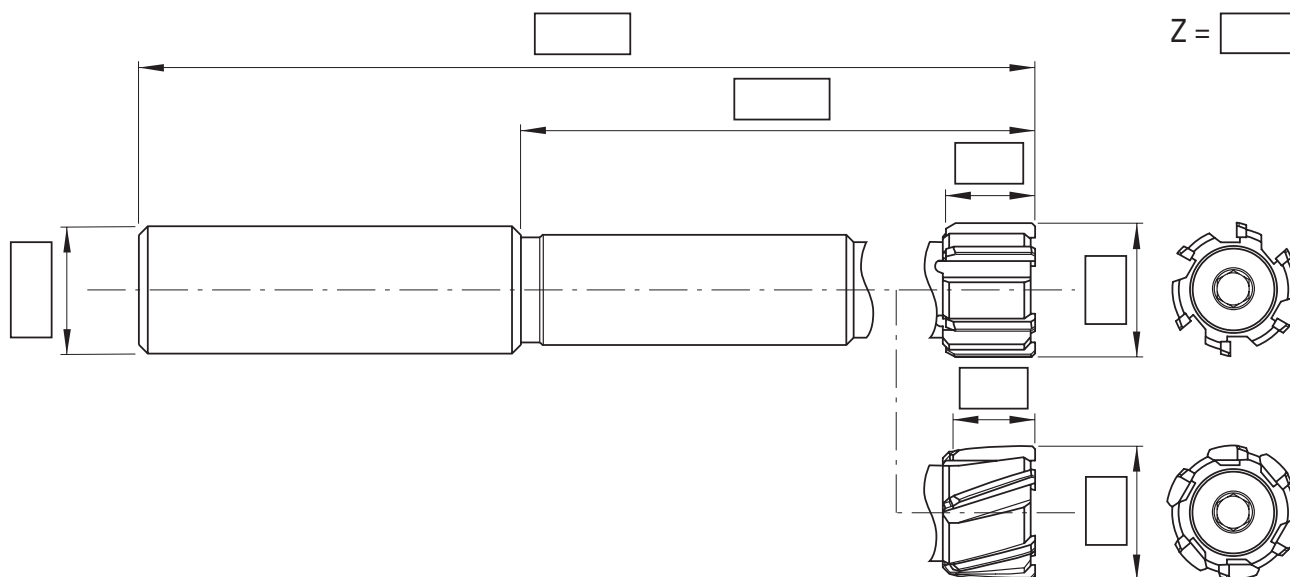


Matière à usiner
Zu bearbeitender Werkstoff
Materiale da lavorare

Matière de coupe
Schneidstoff

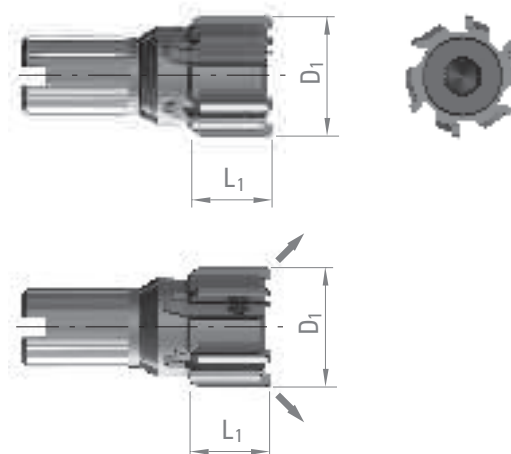
☐ HM ☐ TiAlN ☐ CERMET

Materiale del tagliente



TÊTES EXPANSIBLES
NACHSTELL-KÖPFE
TESTINE ESPANSIBILI

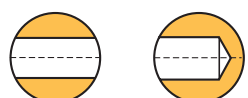
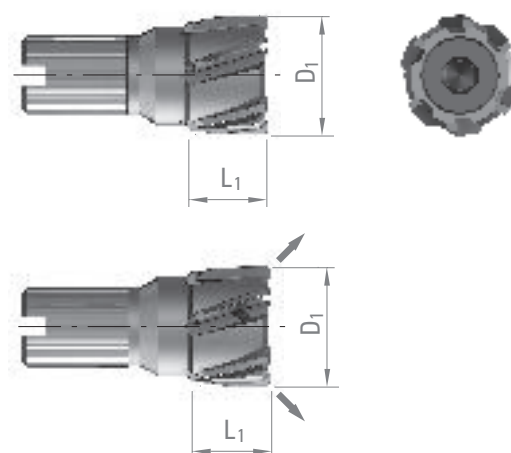
POLY 4501
POLY 4501-3



D ₁	L ₁	Z	HM	TiALN	CERMET
9.60 - 12.60	11	4	■	□	■
12.61 - 14.60	11	4	■	□	■
14.61 - 15.60	13	4	■	□	■
15.61 - 18.60	13	6	■	□	■
18.61 - 21.10	13	6	■	□	■
21.11 - 23.10	15	6	■	□	■
23.11 - 28.10	15	6	■	□	■
28.11 - 31.10	17	6	■	□	■
31.11 - 45.00	17	6	■	□	■

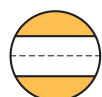
TÊTES EXPANSIBLES,
DENTURE À GAUCHE
NACHSTELL-KÖPFE,
LINKSSCHRÄG
TESTINE ESPANSIBILI,
ELICA SINISTRA

POLY 4504
POLY 4504-3



POLY 4501

Commander tasseau et vis d'expansion séparément :
Halter und Nachstellschraube separat bestellen :
Ordinare mandrino e vite d'espansione separatamente :
POLY 8001 / 8002
POLY 8003 / 8004
POLY 8101 / 8102
POLY 8501 / 8502
POLY 6048 / 6049 / 6050



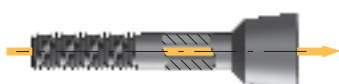
POLY 4501-3
POLY 4504
POLY 4504-3

VIS POUR TÊTES EXPANSIBLES
*SCHRAUBEN FÜR
 NACHSTELL-KÖPFE*
 VITI PER TESTINE ESPANSIBILI

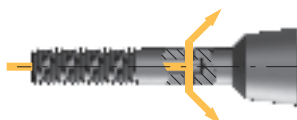
POLY 6048



POLY 6049



POLY 6050



D ₁	Art.	Art.	Art.	M
9.60 - 10.60	400142	400169	954590	3 x 0.35
10.61 - 11.60	400143	400170	954593	3 x 0.35
11.61 - 12.60	400144	400171	954594	3 x 0.35
12.61 - 13.60	400145	400172	954595	4 x 0.50
13.61 - 14.60	400146	400173	954596	4 x 0.50
14.61 - 15.60	400147	400174	954597	4 x 0.50
15.61 - 16.60	400148	400175	954598	5 x 0.50
16.61 - 17.60	400149	400176	954599	5 x 0.50
17.61 - 18.60	400150	400177	954600	5 x 0.50
18.61 - 19.10	400151	400178	954601	6 x 0.50
19.11 - 20.10	400152	400179	954602	6 x 0.50
20.11 - 21.10	400153	400180	954603	6 x 0.50
21.11 - 22.10	400154	400181	954604	6 x 0.50
22.11 - 23.10	400155	400182	954605	6 x 0.50
23.11 - 24.10	400156	400183	954606	8 x 0.50
24.11 - 25.10	400157	400184	954607	8 x 0.75
25.11 - 26.10	400158	400185	954608	8 x 0.75
26.11 - 27.10	400159	400186	954609	8 x 0.75
27.11 - 28.10	400160	400187	954610	8 x 0.75
28.11 - 29.10	401203	401202	954611	8 x 0.75
29.11 - 31.10	400161	400188	954612	8 x 0.75
31.11 - 33.10	400162	400189	954613	12 x 0.75
33.11 - 35.10	400163	400190	954614	12 x 0.75
35.11 - 37.10	400164	400191	954615	12 x 0.75
37.11 - 39.10	400165	400192	954616	12 x 0.75
39.11 - 41.10	400166	400193	954617	12 x 0.75
41.11 - 43.10	400167	400194	954618	12 x 0.75
43.11 - 45.00	400168	400195	954620	12 x 0.75

POLY 4501 / 4504

+ POLY 6048



ou
oder
o



+



POLY 4501

+ POLY 6049



+



POLY 4501-3 / 4504-3 + POLY 6050

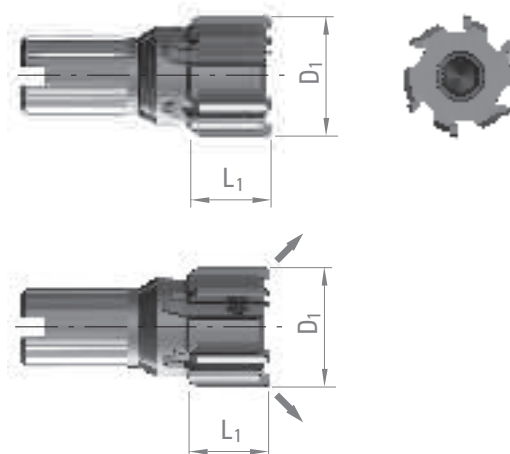


+



TÊTES FIXES
FEST-KÖPFE
TESTINE FISSE

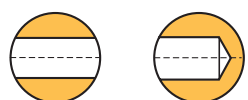
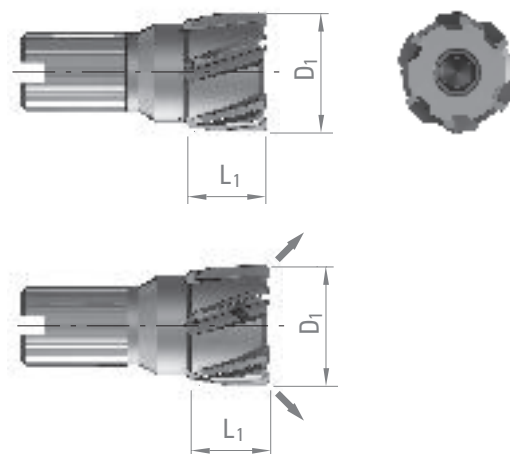
POLY 4401
POLY 4401-3



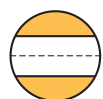
D ₁	L ₁	Z	HM	TiALN	CERMET
9.60 - 12.60	11	4	■	□	■
12.61 - 14.60	11	4	■	□	■
14.61 - 15.60	13	4	■	□	■
15.61 - 18.60	13	6	■	□	■
18.61 - 21.10	13	6	■	□	■
21.11 - 23.10	15	6	■	□	■
23.11 - 28.10	15	6	■	□	■
28.11 - 31.10	17	6	■	□	■
31.11 - 45.00	17	6	■	□	■

TÊTES FIXES,
DENTURE À GAUCHE
FEST-KÖPFE,
LINKSSCHRÄG
TESTINE FISSE,
ELICA SINISTRA

POLY 4404
POLY 4404-3



POLY 4401

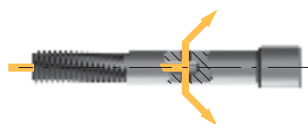


POLY 4401-3
POLY 4404
POLY 4404-3

Commander tasseau et vis de fixation séparément :
Halter und Befestigungsschraube separat bestellen :
Ordinare mandrino e vite di fissaggio separatamente :
POLY 8001 / 8002
POLY 8003 / 8004
POLY 8101 / 8102
POLY 8501 / 8502
POLY 6045 / 6046 / 6047

VIS POUR TÊTES FIXES
SCHRAUBEN FÜR FEST-KÖPFE
 VITI PER TESTINE FISSE

POLY 6045



POLY 6046



POLY 6047



D ₁	Art.	Art.	Art.	M
9.60 - 12.60	962691	400095	400136	3 x 0.35
12.61 - 15.60	961366	400096	400137	4 x 0.50
15.61 - 18.60	962725	400097	400138	5 x 0.50
18.61 - 23.10	963091	400098	400139	6 x 0.50
23.11 - 31.10	962423	400099	400140	8 x 0.50
31.11 - 45.00	962225	400100	400141	12 x 0.50

POLY 4401 / 4404

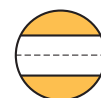
+ POLY 6046



ou
oder
o



+



POLY 4401

+ POLY 6047



+



POLY 4401-3 / 4404-3 + POLY 6045

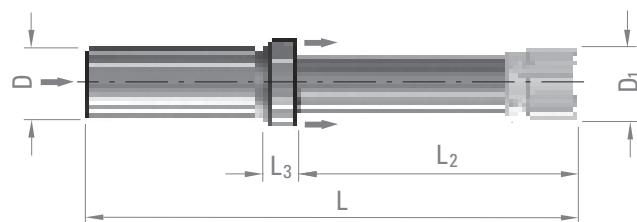


+



TASSEaux POUR TÊTES, CYL.
HALTER FÜR KÖPFE, ZYL.
MANDRINI PER TESTINE, CIL.

POLY 8001



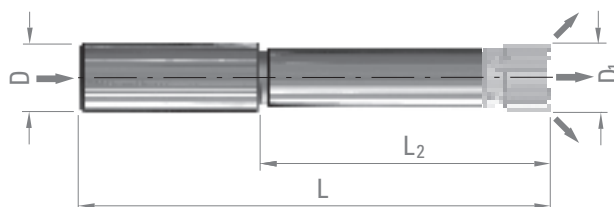
Art.	D ₁	L	L ₂	L ₃	D _{h6}
400083	9.60 - 12.60	100	45	10	12
400084	12.61 - 15.60	118	60	10	16
400085	15.61 - 18.60	121	61	10	20
400086	18.61 - 23.10	140	80	10	20
400087	23.11 - 31.10	166	100	10	25
400088	31.11 - 45.00	171	105	10	25



Art.	D ₁	L	L ₂	D _{h6}
955635	9.60 - 12.60	100	55	12
955636	12.61 - 15.60	118	70	16
955637	15.61 - 18.60	121	71	20
955638	18.61 - 23.10	140	90	20
955639	23.11 - 31.10	166	110	25
955791	31.11 - 45.00	171	115	25



POLY 8002

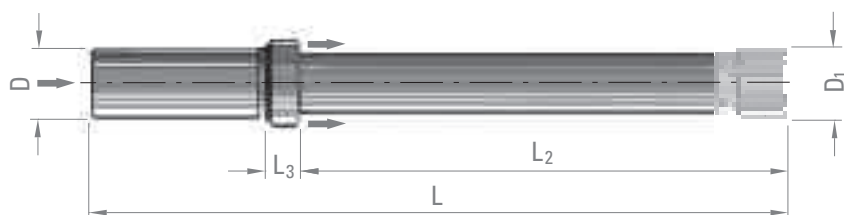


Standard
Standard
Standard



Sur demande
Auf Anfrage
A richiesta

Commander tête et vis d'expansion (ou de fixation) séparément :
Kopf und Nachstellschraube (oder Befestigungsschraube) separat bestellen :
Ordinare testina e vite d'espansione (o di fissaggio) separatamente :
POLY 4501 / 4504
POLY 4401 / 4404
POLY 6048 / 6049 / 6050
POLY 6045 / 6046 / 6047



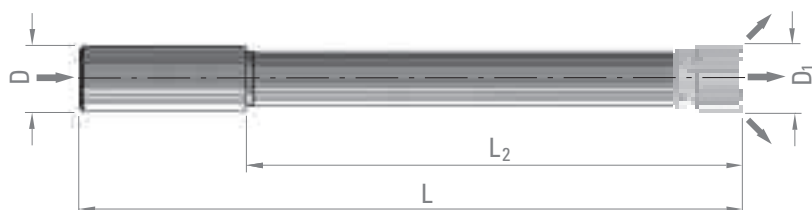
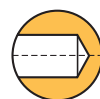
TASSEAUX POUR TÊTES, CYL.
HALTER FÜR KÖPFE, ZYL.
MANDRINI PER TESTINE, CIL.

POLY 8003

Art.	D ₁	L	L ₂	L ₃	D _{h6}
952436	9.60 - 12.60	145	90	10	12
952437	12.61 - 15.60	158	100	10	16
952439	15.61 - 18.60	180	120	10	20
952440	18.61 - 23.10	200	140	10	20
952441	23.11 - 31.10	215	150	10	25
952442	31.11 - 45.00	215	150	10	25



Art.	D ₁	L	L ₂	D _{h6}
955641	9.60 - 12.60	145	100	12
955642	12.61 - 15.60	158	110	16
955643	15.61 - 18.60	180	130	20
955644	18.61 - 23.10	200	150	20
955645	23.11 - 31.10	215	160	25
955969	31.11 - 45.00	215	160	25



POLY 8004

Commander tête et vis d'expansion (ou de fixation) séparément :
Kopf und Nachstellschraube (oder Befestigungsschraube) separat bestellen :
Ordinare testina e vite d'espansione (o di fissaggio) separatamente :

POLY 4501 / 4504

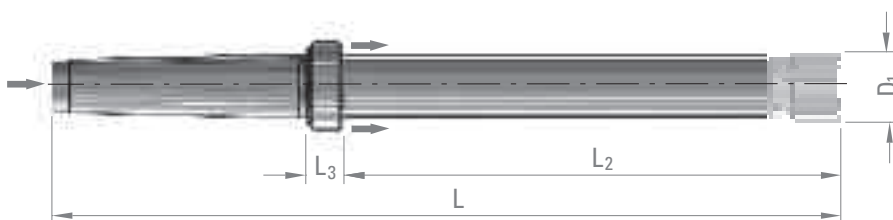
POLY 4401 / 4404

POLY 6048 / 6049 / 6050

POLY 6045 / 6046 / 6047

TASSEAUX POUR TÊTES, CM
HALTER FÜR KÖPFE, MK
MANDRINI PER TESTINE, CM

POLY 8101



POLY 8101

Art.	D ₁	L	L ₂	L ₃	CM MK
400067	9.60 - 12.60	171	90	12	2
400068	12.61 - 15.60	181	100	12	2
400069	15.61 - 18.60	202	121	12	2
400025	18.61 - 23.10	221	140	12	2
400070	23.11 - 31.10	248	150	12	3
400023	31.11 - 45.00	248	150	12	3

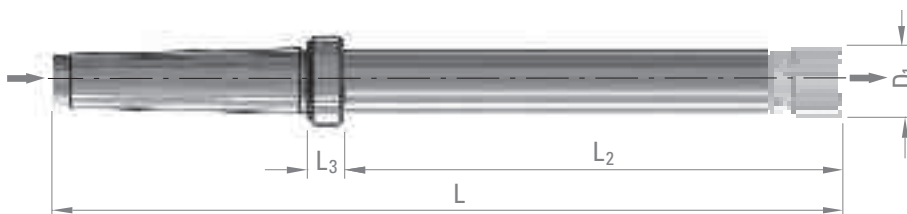


POLY 8102

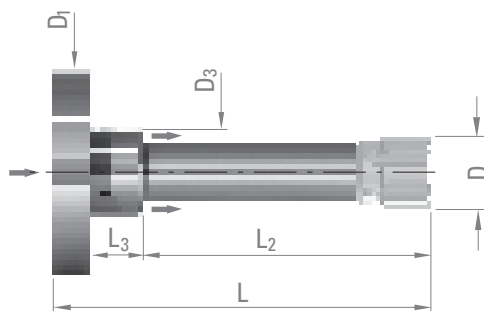
Art.	D ₁	L	L ₂	L ₃	CM MK
400071	9.60 - 12.60	171	90	12	2
400072	12.61 - 15.60	181	100	12	2
400073	15.61 - 18.60	202	121	12	2
400074	18.61 - 23.10	221	140	12	2
400075	23.11 - 31.10	248	150	12	3
400076	31.11 - 45.00	248	150	12	3



POLY 8102



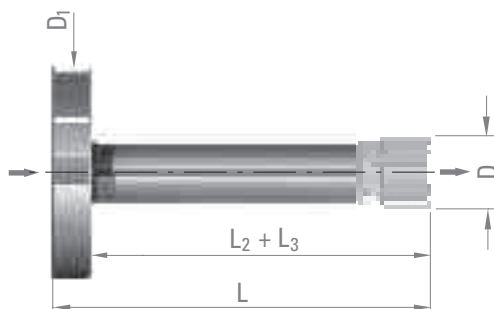
Commander tête et vis d'expansion (ou de fixation) séparément :
Kopf und Nachstellschraube (oder Befestigungsschraube) separat bestellen :
Ordinare testina e vite d'espansione (o di fissaggio) separatamente :
POLY 4501 / 4504
POLY 4401 / 4404
POLY 6048 / 6049 / 6050
POLY 6045 / 6046 / 6047



ADAPTATEURS POUR TÊTES
ADAPTER FÜR KÖPFE
ADATTATORI PER TESTINE

POLY 8501

POLY 8501 Art.	POLY 8502 Art.	Pour têtes Für Köpfe Per testine POLY 44xx, 45xx D	D ₁	L	L ₂	L ₃	D ₃
401222	401222	9.60 - 12.60	40	69	45	15	14.8
401223	401223	12.61 - 15.60	40	84	60	15	19.6
401224	401224	15.61 - 18.60	60	86	60	15	21.6
401225	401225	18.61 - 23.10	60	106	80	15	24.6
401226	401226	23.11 - 31.10	71	129	100	15	28.8
401227	401227	31.11 - 45.00	71	134	105	15	33.8
401228	401228	9.60 - 12.60	71	119	90	15	14.8
401229	401229	12.61 - 15.60	71	129	100	15	19.6
401230	401230	15.61 - 18.60	71	149	120	15	21.6
401231	401231	18.61 - 23.10	71	169	140	15	24.6
401232	401232	23.11 - 31.10	71	179	150	15	28.8
401233	401233	31.11 - 45.00	71	179	150	15	33.8



POLY 8502

Commander tête et vis d'expansion (ou de fixation) séparément :

Kopf und Nachstellschraube (oder Befestigungsschraube) separat bestellen :

Ordinare testina e vite d'espansione (o di fissaggio) separatamente :

POLY 4501 / 4504

POLY 4401 / 4404

POLY 6048 / 6049 / 6050

POLY 6045 / 6046 / 6047

POLY 8501

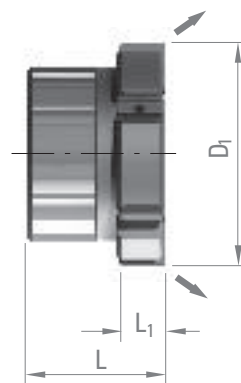
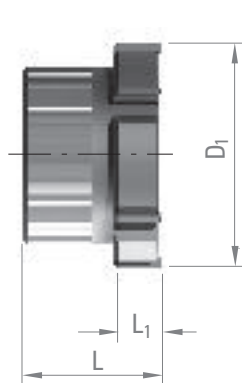


POLY 8502



BAGUES COUPANTES
EXPANSIBLES
NACHSTELL-SCHNEIDHÜLSEN
CORONE ESPANSIBILI

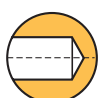
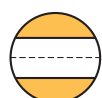
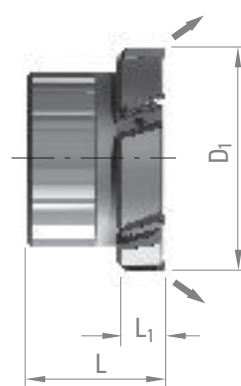
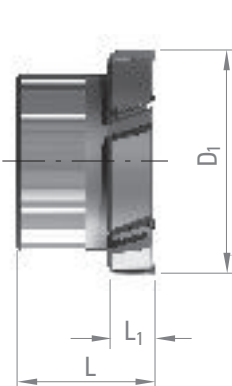
POLY 4701
POLY 4701-3



D ₁	L ₁	L	Z	HM	TiALN	CERMET
32.00 - 46.10	18	40	6	■	□	■
46.11 - 59.10	18	46	6	■	□	■
59.11 - 73.10	18	52	6	■	□	■
73.11 - 85.10	18	52	6	■	□	■
85.11 - 100.00	18	60	6	■	□	■

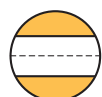
BAGUES COUPANTES
EXPANSIBLES, DENTURE À GAUCHE
NACHSTELL-SCHNEIDHÜLSEN,
LINKSSCHRÄG
CORONE ESPANSIBILI,
ELICA SINISTRA

POLY 4704
POLY 4704-3



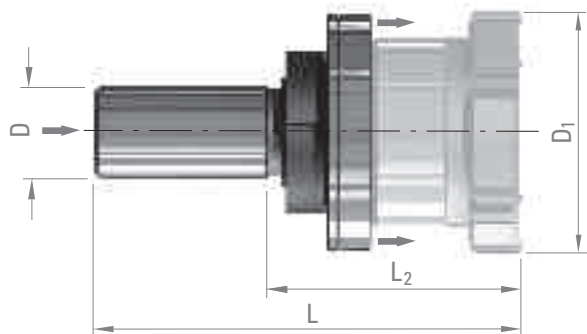
POLY 4701

Diamètres plus grands sur demande
Größere Durchmesser auf Anfrage
Diametri più grandi su richiesta



POLY 4701-3
POLY 4704
POLY 4704-3

Commander tasseau séparément :
Halter separat bestellen :
Ordinare mandrino separatamente :
POLY 8011 / 8012
POLY 8111 / 8112



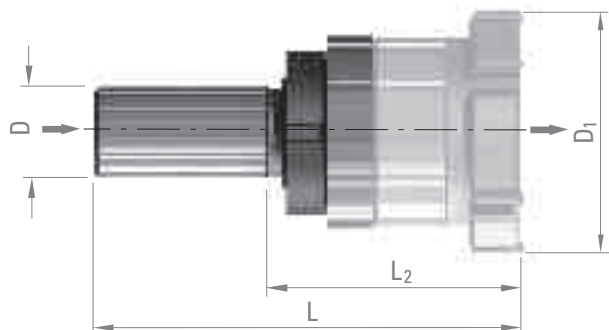
TASSEaux POUR BAGUES
COUPANTES, CYL.
HALTER FÜR SCHNEIDHÜLSEN, ZYL.
MANDRINI PER CORONE, CIL.

POLY 8011

POLY 8011 Art.	D ₁	L	L ₂	D _{h6}
400313	32.00 - 46.10	120	70	20
400314	46.11 - 59.10	136	80	25
400315	59.11 - 73.10	150	90	32
400316	73.11 - 85.10	150	90	32
400317	85.11 - 100.00	170	100	40



POLY 8012 Art.	D ₁	L	L ₂	D _{h6}
401064	32.00 - 46.10	120	70	20
401065	46.11 - 59.10	136	80	25
401066	59.11 - 73.10	150	90	32
401067	73.11 - 85.10	150	90	32
401068	85.11 - 100.00	170	100	40



POLY 8012

Commander bague coupante et bague d'arrosage ou rondelle séparément :
Schneidhülsen und Kühlring oder Schreibe separat bestellen :
 Ordinare corona e anello di refrigerazione o rondella separamente :
 POLY 4701 / 4704
 Art.1 / Art.2a / Art. 2b / D1

Standard
Standard
Standard

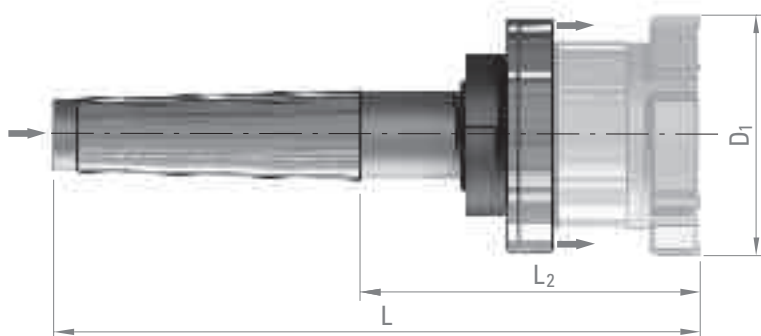


Sur demande
Auf Anfrage
Su richiesta



TASSEAUX POUR BAGUES
COUPANTES, CM
HALTER FÜR SCHNEIDHÜLSEN, MK
MANDRINI PER CORONE, CM

POLY 8111



POLY 8111

Art.	D ₁	L	L ₂	CM MK
400328	32.00 - 46.10	169	100	2
400329	46.11 - 59.10	186	100	3
400330	59.11 - 73.10	229	120	4
400331	73.11 - 85.10	229	120	4
400332	85.11 - 100.00	256	120	5

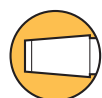
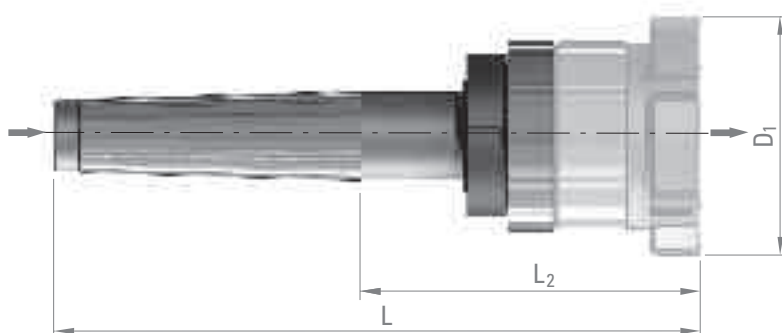


POLY 8112

Art.	D ₁	L	L ₂	CM MK
401069	32.00 - 46.10	169	100	2
401070	46.11 - 59.10	186	100	3
401071	59.11 - 73.10	229	120	4
401072	73.11 - 85.10	229	120	4
401073	85.11 - 100.00	256	120	5



POLY 8112



Commander bague coupante et bague d'arrossage ou rondelle séparément :

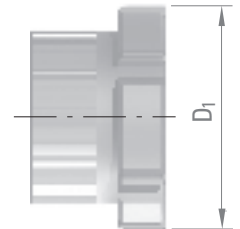
Schneidhülsen und Kühlring oder Schreibe separat bestellen :

Ordinare corona e anello di refrigerazione o rondella separatamente :

POLY 4701 / 4704

Art.1 / Art.2a / Art. 2b / D1

PIÈCES DE RECHANGE, TASSEaux
POUR BAGUES COUPANTES
ERSATZTEILE, HALTER
FÜR SCHNEIDHÜLSEN
RICAMBI, MANDRINI PER CORONE



Art.1*	Art. 2a	Art. 2b	D ₁ **
401027	401032	401037	32.00 - 34.10
"	401033	"	34.11 - 36.10
"	401034	"	36.11 - 38.10
"	401035	"	38.11 - 40.10
"	401036	"	40.11 - 42.10
"	401234	"	42.11 - 44.10
"	401235	"	44.11 - 46.10
401028	401236	401038	46.11 - 48.10
"	401237	"	48.11 - 50.10
"	401238	"	50.11 - 52.10
"	401239	"	52.11 - 54.10
"	401240	"	54.11 - 56.10
"	401241	"	56.11 - 58.10
"	401242	"	58.11 - 59.10
401029	401243	401039	59.11 - 61.10
"	401244	"	61.11 - 63.10
"	401245	"	63.11 - 65.10
"	401246	"	65.11 - 67.10
"	401247	"	67.11 - 69.10
"	401248	"	69.11 - 71.10
"	401249	"	71.11 - 73.10
"	401250	401040	73.11 - 75.10
"	401251	"	75.11 - 77.10
"	401252	"	77.11 - 79.10
"	401253	"	79.11 - 81.10
"	401254	"	81.11 - 83.10
"	401255	"	83.11 - 85.10
401031	401256	401041	85.11 - 87.10
"	401257	"	87.11 - 89.10
"	401258	"	89.11 - 91.10
"	401259	"	91.11 - 93.10
"	401260	"	93.11 - 95.10
"	401261	"	95.11 - 97.10
"	401262	"	97.11 - 99.10
"	401263	"	99.11 - 101.10

* Pas = 1 mm, pièce de rechange

* Steigung = 1 mm, Ersatzteil

* Passo = 1 mm, ricambio

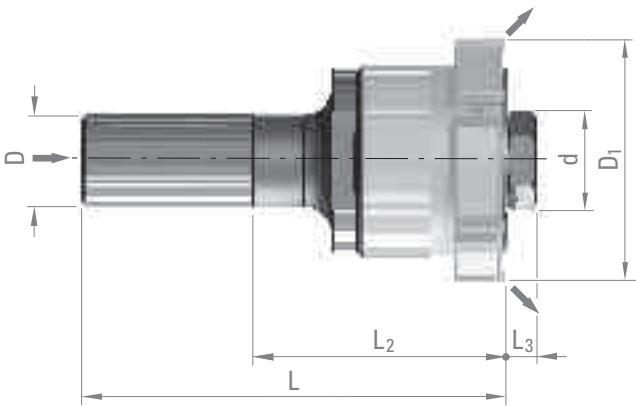
** Pour tasseaux POLY 8011, 8012

** Für Halter POLY 8111, 8112

** Per mandrini

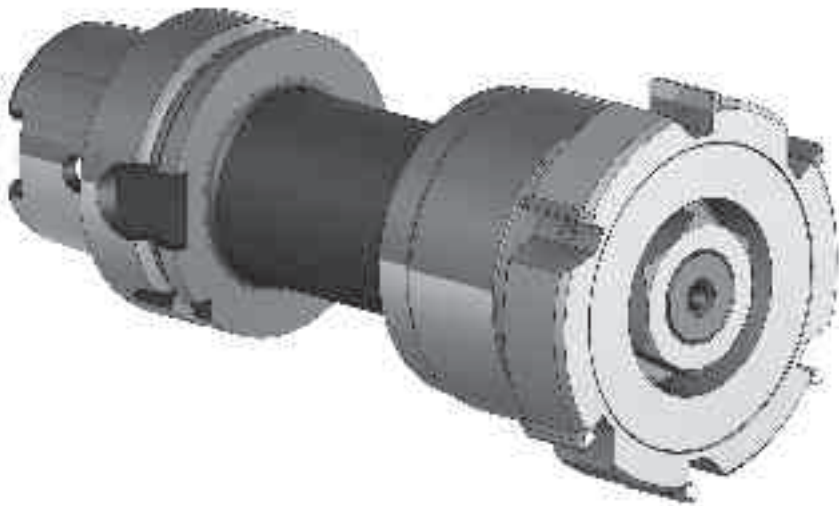
TASSEaux MONTAGE PAR L'AVANT
 HALTER FÜR SCHNEIDHÜLSEN
 FRONTMONTAGE
 MANDRINI PER CORONE MONTATE
 ANTERIORMENTE

POLY 8013



POLY 8013
 Art.

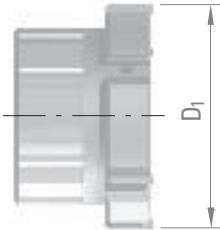
Art.	D ₁	L	L ₂	D _{h6}	L ₃	d
964248	46.11 - 59.10	136	80	32	7	21
964249	59.11 - 73.10	150	90	32	9	28
964250	73.11 - 85.10	150	90	32	11	35
964251	85.11 - 100.00	170	100	32	13	42



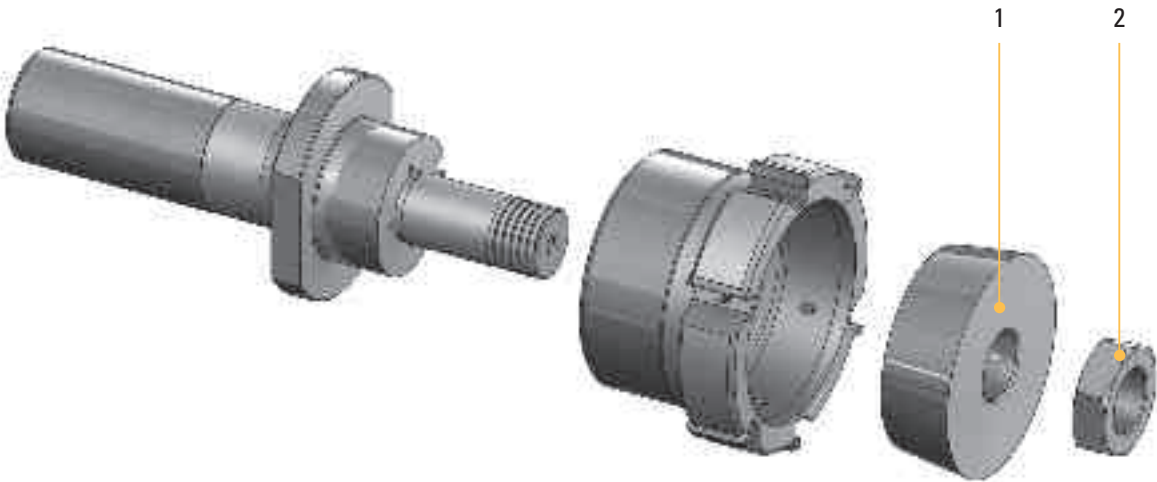
Version pour trou borgne sur demande.
 Auf Anfrage, für Sachlochbohrung Ausführung möglich.
 Versione per foro cieco a richiesta.



PIÈCES DE RECHANGE
 ERSATZTEILE
 RICAMBI

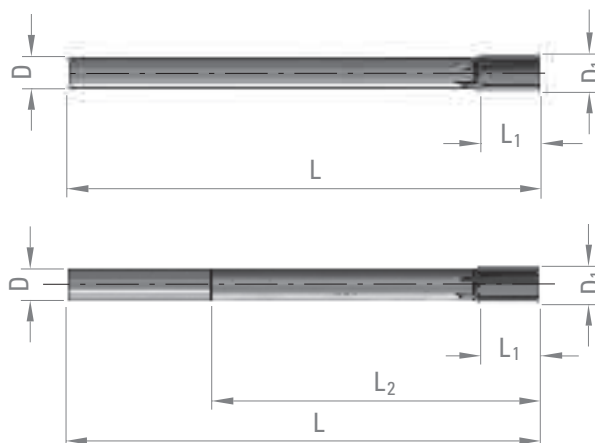


Art.1	Art.2	D ₁
964256	964252	46.11 - 59.10
964257	964253	59.11 - 73.10
964258	964254	73.11 - 85.10
964259	964255	85.11 - 100.00



ALÉSOIRS
DENTURE IRRÉGULIÈRE DROITE
REIBAHLEN, RECHTSSCHNEIDEND
GERADE, UNGLEICHE TEILUNG
ALESATORI CON TAGLIENTI DIRITTI
A PASSO DIFFERENZIATO

POLY 4001



Réf. A

Réf. B

Toutes les tolérances et diamètres intermédiaires livrables en 48 heures

Alle Toleranzen und Zwischendurchmesser in 48 Stunden lieferbar

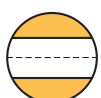
Tutte le tolleranze e diametri intermediari consegnati in 48 ore

D ₁ H7	L ₁	L ₂	D _{h6}	L	Z	Réf.	HM
0.40 - 0.50	3.0	5	3.0	38	3	B	■
0.51 - 0.60	4.0	6	3.0	38	3	B	■
0.61 - 0.70	4.0	7	3.0	38	3	B	■
0.71 - 0.80	4.0	8	3.0	38	3	B	■
0.81 - 0.90	5.0	9	3.0	38	3	B	■
0.91 - 1.00	5.0	10	3.0	38	3	B	■
1.01 - 1.10	5.0	11	3.0	38	3	B	■
1.11 - 1.20	5.0	12	3.0	38	3	B	■
1.21 - 1.40	6.0	13	3.0	38	3	B	■
1.41 - 1.50	7.0	15	3.0	38	3	B	■
1.51 - 1.60	7.0	15	3.0	50	3	B	■
1.61 - 1.70	7.0	16	3.0	50	3	B	■
1.71 - 1.80	7.0	17	3.0	50	3	B	■
1.81 - 1.90	8.0	17	3.0	50	3	B	■
1.91 - 2.30	8.0	18	3.0	50	3	B	■
2.31 - 2.50	10.0	20	3.0	50	3	B	■
2.51 - 2.60	10.0	20	3.0	61	4	B	■
2.61 - 2.97	10.0	25	3.0	61	4	B	■
2.98 - 3.02	10.0	25	3.0	65	4	B	■
3.03 - 3.52	10.0	-	3.0	70	4	A	■
3.53 - 4.02	10.0	-	3.5	75	4	A	■
4.03 - 4.52	12.0	-	4.0	80	6	A	■
4.53 - 5.03	12.0	-	4.5	86	6	A	■
5.04 - 5.75	12.0	-	5.0	93	6	A	■
5.76 - 6.00	12.0	57	6.0	93	6	B	■
6.01 - 6.77	14.0	63	6.0	101	6	B	■
6.78 - 7.30	16.0	69	7.0	109	6	B	■
7.31 - 7.50	16.0	69	8.0	109	6	B	■
7.51 - 8.50	16.0	75	8.0	117	6	B	■
8.51 - 9.50	19.0	81	9.0	125	6	B	■
9.51 - 10.60	19.0	87	10.0	133	6	B	■
10.61 - 11.80	19.0	96	10.0	142	6	B	■
11.81 - 12.02	19.0	105	10.0	151	6	B	■

Revêtement: TiN, TiALN, TiCN, Diamant sur demande

Beschichtung: TiN, TiALN, TiCN, Diamant auf Anfrage

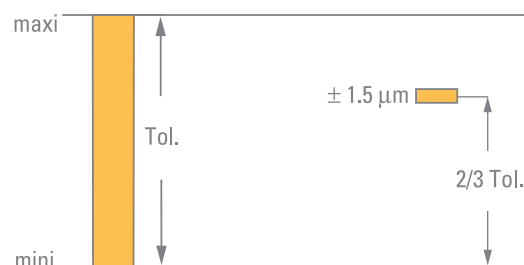
Rivestimento: TiN, TiALN, TiCN, Diamante a richiesta

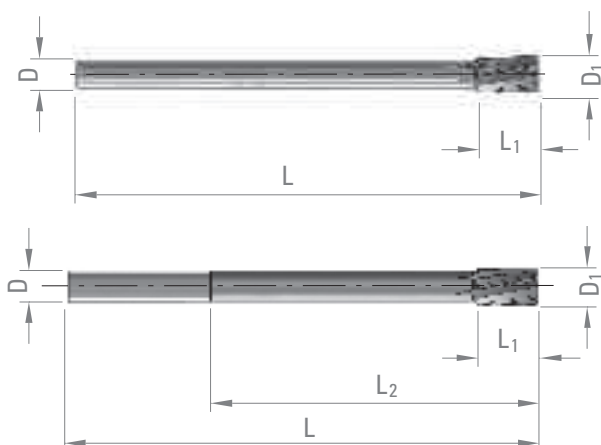


D₁ ≤ Ø 2.97



D₁ > Ø 2.97





Réf. A

ALÉSOIRS HÉLICOÏDAUX
HÉLICE À GAUCHE, COUPE À DROITE
REIBAHLEN, RECHTSSCHNEIDEND
LINKS SPIRALISIERT
ALESATORI ELICA SINISTRA
TAGLIO DESTRO

Réf. B

POLY 4007

Toutes les tolérances et diamètres intermédiaires livrables en 48 heures

Alle Toleranzen und Zwischendurchmesser in 48 Stunden lieferbar

Tutte le tolleranze e diametri intermediari consegnati in 48 ore

$D_{10/+0.003}$	L_1	L_2	D_{h6}	L	Z	Réf.	HM
0.40 - 0.50	3.0	5	3.0	38	3	B	■
0.51 - 0.60	4.0	6	3.0	38	3	B	■
0.61 - 0.70	4.0	7	3.0	38	3	B	■
0.71 - 0.80	4.0	8	3.0	38	3	B	■
0.81 - 0.90	5.0	9	3.0	38	3	B	■
0.91 - 1.00	5.0	10	3.0	38	3	B	■
1.01 - 1.10	5.0	11	3.0	38	3	B	■
1.11 - 1.20	5.0	12	3.0	38	3	B	■
1.21 - 1.40	6.0	13	3.0	38	3	B	■
1.41 - 1.50	7.0	15	3.0	38	3	B	■
1.51 - 1.60	7.0	15	3.0	50	3	B	■
1.61 - 1.70	7.0	16	3.0	50	3	B	■
1.71 - 1.80	7.0	17	3.0	50	3	B	■
1.81 - 1.90	8.0	17	3.0	50	3	B	■
1.91 - 2.30	8.0	18	3.0	50	3	B	■
2.31 - 2.50	10.0	20	3.0	50	3	B	■
2.51 - 2.60	10.0	20	3.0	61	4	B	■
2.61 - 2.97	10.0	25	3.0	61	4	B	■
2.98 - 3.02	10.0	25	3.0	65	4	B	■
3.03 - 3.52	10.0	-	3.0	70	4	A	■
3.53 - 4.02	10.0	-	3.5	75	4	A	■
4.03 - 4.52	12.0	-	4.0	80	6	A	■
4.53 - 5.03	12.0	-	4.5	86	6	A	■
5.04 - 5.75	12.0	-	5.0	93	6	A	■
5.76 - 6.00	12.0	57	6.0	93	6	B	■
6.01 - 6.77	14.0	63	6.0	101	6	B	■
6.78 - 7.30	16.0	69	7.0	109	6	B	■
7.31 - 7.50	16.0	69	8.0	109	6	B	■
7.51 - 8.50	16.0	75	8.0	117	6	B	■
8.51 - 9.50	19.0	81	9.0	125	6	B	■
9.51 - 10.60	19.0	87	10.0	133	6	B	■
10.61 - 11.80	19.0	96	10.0	142	6	B	■
11.81 - 12.02	19.0	105	10.0	151	6	B	■

Sur demande, POLYTOOL fournit des alésoirs avec coupe à gauche, hélicoïdaux et étagés.

Auf Anfrage fertigt POLYTOOL Reibahlen auch in spiralig linksschneidender Ausführung.

Su richiesta POLYTOOL fornisce alesatori elica sinistra a gradino.



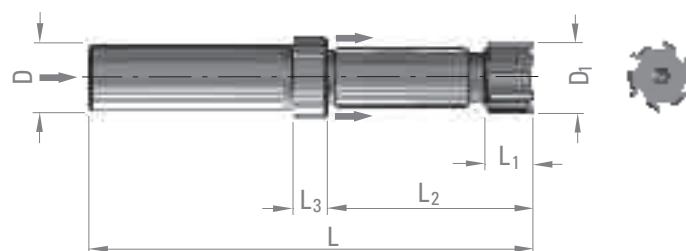
$D_1 \leq \varnothing 2.97$



$D_1 > \varnothing 2.97$

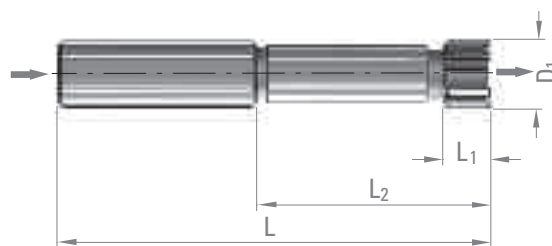
ALÉSOIRS FIXES
AVEC ARROSAGE, CYL.
FEST-REIBAHLEN
MIT KÜHLUNG, ZYL.
ALESATORI FISSI
CON REFRIGERAZIONE, CIL.

POLY 4261-1

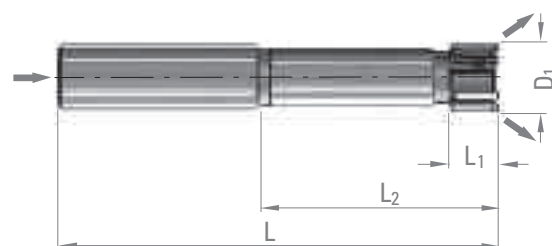


D ₁	L	L ₁	L ₂	L ₃	D _{h6}	Z	HM	TiAlN	CERMET
5.80 - 7.60	80	10	40	0	12	4	■	□	■
7.61 - 8.60	80	10	40	0	12	4	■	□	■
8.61 - 9.60	90	10	50	0	12	4	■	□	■
9.61 - 10.60	90	10	50	0	12	4	■	□	■
10.61 - 14.60	100	10	50	10	12	6	■	□	■
14.61 - 15.60	100	14	50	10	12	6	■	□	■
15.61 - 18.60	110	14	50	10	16	6	■	□	■
18.61 - 21.10	130	14	60	10	20	6	■	□	■
21.11 - 25.10	130	14	60	10	20	6	■	□	■
25.11 - 28.10	145	18	75	10	25	6	■	□	■
28.11 - 33.10	145	18	75	10	25	6	■	□	■

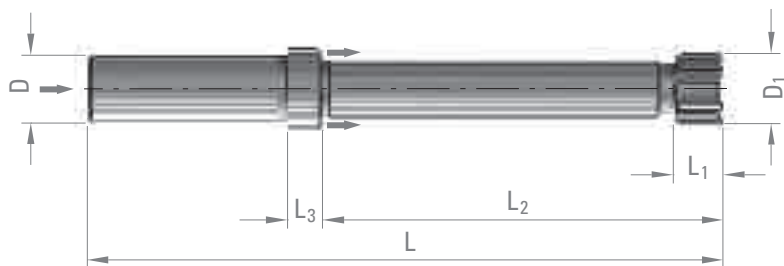
POLY 4261-2



POLY 4261-3



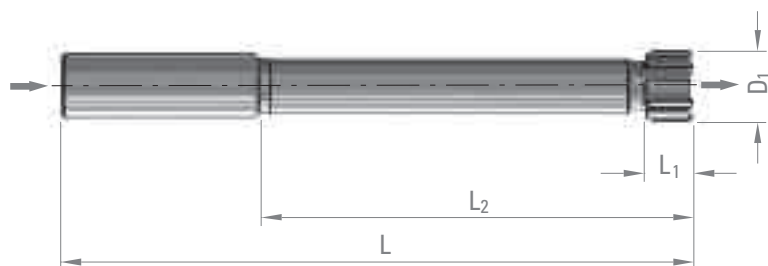
		POLY 4261-1			POLY 4261-3	Standard Standard Standard	
		POLY 4261-2				Sur demande Auf Anfrage A richiesta	



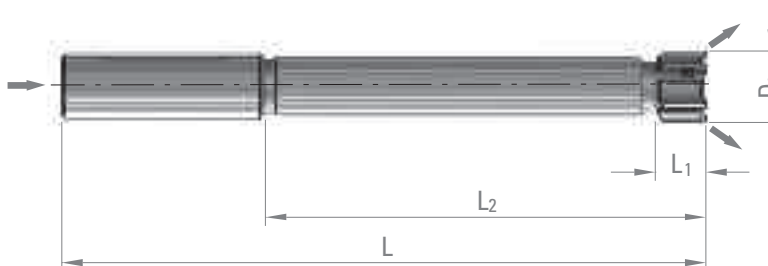
ALÉSOIRS FIXES
AVEC ARROSAGE, CYL.
FEST-REIBAHLEN
MIT KÜHLUNG, ZYL.
ALESATORI FISSI
CON REFRIGERAZIONE, CIL.

POLY 4271-1

D ₁	L	L ₁	L ₂	L ₃	D _{h6}	Z	HM	TiAlN	CERMET
5.80 - 7.60	120	10	80	0	12	4	■	□	■
7.61 - 8.60	120	10	80	0	12	4	■	□	■
8.61 - 9.60	130	10	90	0	12	4	■	□	■
9.61 - 10.60	130	10	90	0	12	4	■	□	■
10.61 - 14.60	150	10	100	10	12	6	■	□	■
14.61 - 15.60	150	14	100	10	12	6	■	□	■
15.61 - 18.60	160	14	100	10	16	6	■	□	■
18.61 - 21.10	190	14	120	10	20	6	■	□	■
21.11 - 25.10	190	14	120	10	20	6	■	□	■
25.11 - 28.10	220	18	150	10	25	6	■	□	■
28.11 - 33.10	220	18	150	10	25	6	■	□	■



POLY 4271-2



POLY 4271-3



Standard
Standard
Standard

POLY 4271-3



POLY 4271-1



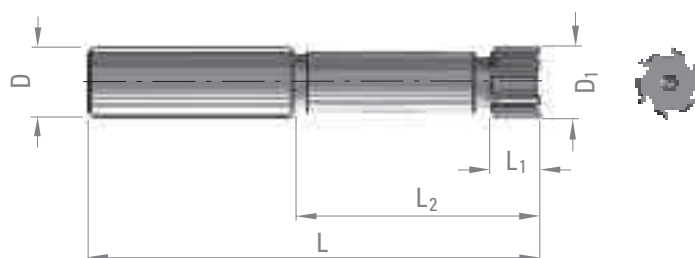
Sur demande
Auf Anfrage
A richiesta

POLY 4271-2



ALÉSIRS FIXES, CYL.
FEST-REIBAHLEN, ZYL.
ALESATORI FISSI, CIL.

POLY 4231



D ₁	L	L ₁	L ₂	D _{h6}	Z	HM	TiALN	CERMET
5.80 - 7.60	80	10	40	12	4	■	□	■
7.61 - 8.60	80	10	40	12	4	■	□	■
8.61 - 9.60	90	10	50	12	4	■	□	■
9.61 - 10.60	90	10	50	12	4	■	□	■
10.61 - 14.60	100	10	50	12	6	■	□	■
14.61 - 15.60	100	14	50	12	6	■	□	■
15.61 - 18.60	110	14	50	16	6	■	□	■
18.61 - 21.10	130	14	60	20	6	■	□	■
21.11 - 25.10	130	14	60	20	6	■	□	■
25.11 - 28.10	145	18	75	25	6	■	□	■
28.11 - 33.10	145	18	75	25	6	■	□	■

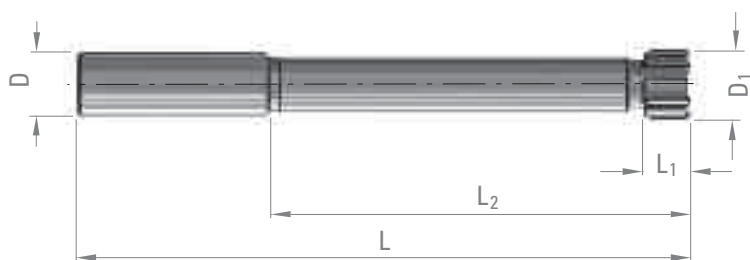


Standard
Standard
Standard



Sur demande
Auf Anfrage
A richiesta





ALÉSOIRS FIXES, CYL.
FEST-REIBAHLEN, ZYL.
ALESATORI FISSI, CIL.

POLY 4241

D ₁	L	L ₁	L ₂	D _{h6}	Z	HM	TiALN	CERMET
5.80 - 7.60	120	10	80	12	4	■	□	■
7.61 - 8.60	120	10	80	12	4	■	□	■
8.61 - 9.60	130	10	90	12	4	■	□	■
9.61 - 10.60	130	10	90	12	4	■	□	■
10.61 - 14.60	150	10	100	12	6	■	□	■
14.61 - 15.60	150	14	100	12	6	■	□	■
15.61 - 18.60	160	14	100	16	6	■	□	■
18.61 - 21.10	190	14	120	20	6	■	□	■
21.11 - 25.10	190	14	120	20	6	■	□	■
25.11 - 28.10	220	18	150	25	6	■	□	■
28.11 - 33.10	220	18	150	25	6	■	□	■



Standard
Standard
Standard

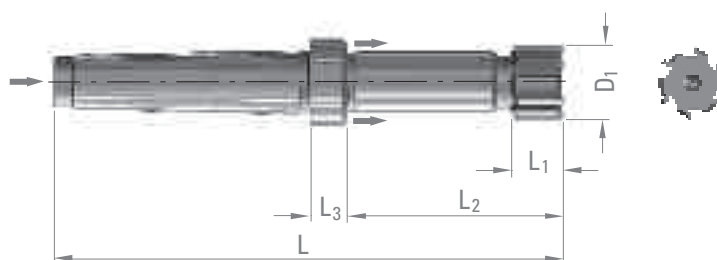


Sur demande
Auf Anfrage
A richiesta



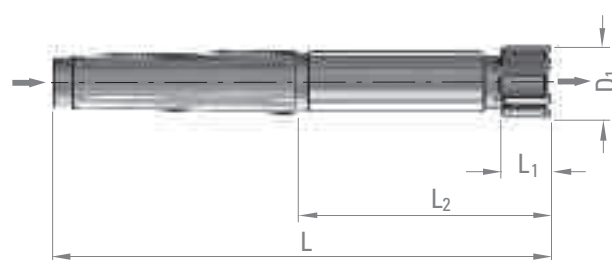
ALÉSIRS FIXES
AVEC ARROSAGE, CM
FEST-REIBAHLEN
MIT KÜHLUNG, MK
ALESATORI FISSI
CON REFRIGERAZIONE, CM

POLY 4260-1

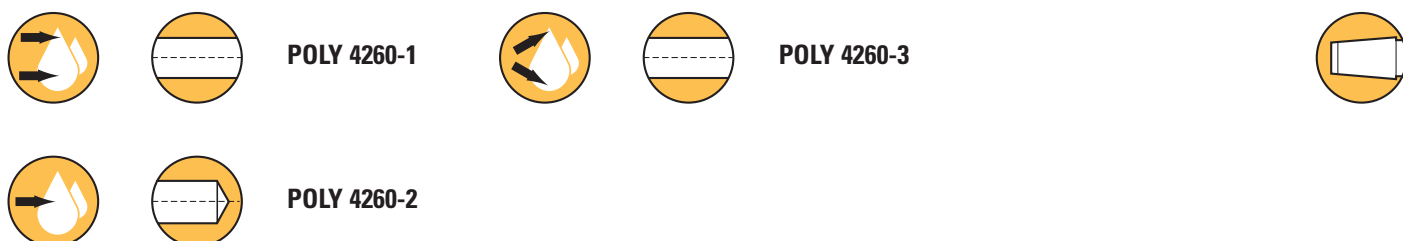
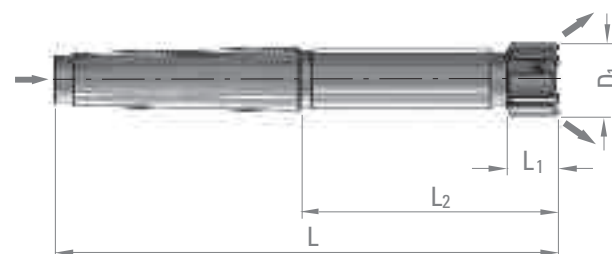


D ₁	L	L ₁	L ₂	L ₃	CM MK	Z	HM	TiALN	CERMET
5.80 - 7.60	108	10	40	11	1	4	■	□	■
7.61 - 8.60	108	10	40	11	1	4	■	□	■
8.61 - 9.60	131	10	50	12	2	4	■	□	■
9.61 - 10.60	131	10	50	12	2	4	■	□	■
10.61 - 14.60	131	10	50	12	2	6	■	□	■
14.61 - 15.60	131	14	50	12	2	6	■	□	■
15.61 - 18.60	131	14	50	12	2	6	■	□	■
18.61 - 21.10	142	14	60	13	2	6	■	□	■
21.11 - 25.10	142	14	60	13	2	6	■	□	■
25.11 - 28.10	174	18	75	13	3	6	■	□	■
28.11 - 33.10	174	18	75	13	3	6	■	□	■

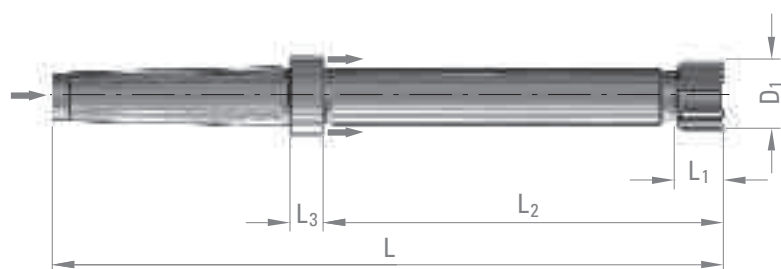
POLY 4260-2



POLY 4260-3

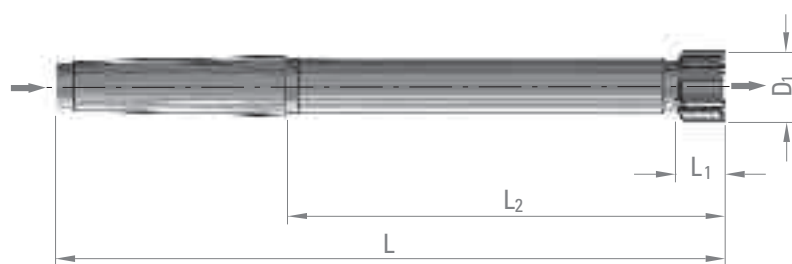


ALÉSIRS FIXES
 AVEC ARROSAGE, CM
 FEST-REIBAHLEN
 MIT KÜHLUNG, MK
 ALESATORI FISSI
 CON REFRIGERAZIONE, CM

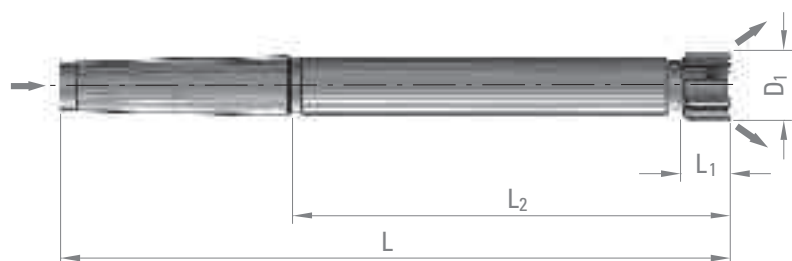


POLY 4270-1

D ₁	L	L ₁	L ₂	L ₃	CM MK	Z	HM	TiALN	CERMET
5.80 - 7.60	148	10	80	11	1	4	■	□	■
7.61 - 8.60	148	10	80	11	1	4	■	□	■
8.61 - 9.60	171	10	90	12	2	4	■	□	■
9.61 - 10.60	171	10	90	12	2	4	■	□	■
10.61 - 14.60	181	10	100	12	2	6	■	□	■
14.61 - 15.60	181	14	100	12	2	6	■	□	■
15.61 - 18.60	181	14	100	12	2	6	■	□	■
18.61 - 21.10	202	14	120	13	2	6	■	□	■
21.11 - 25.10	202	14	120	13	2	6	■	□	■
25.11 - 28.10	249	18	150	13	3	6	■	□	■
28.11 - 33.10	249	18	150	13	3	6	■	□	■



POLY 4270-2



POLY 4270-3



POLY 4270-3



POLY 4270-1

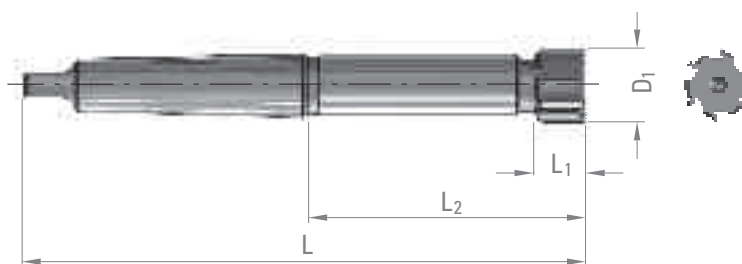


POLY 4270-2



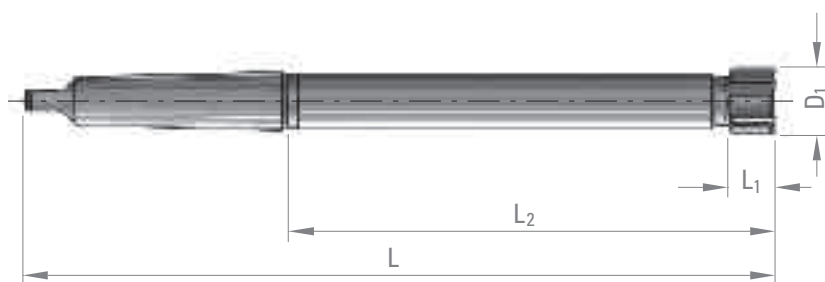
ALÉSOIRS FIXES, CM
FEST-REIBAHLEN, MK
ALESATORI FISSI, CM

POLY 4210



D ₁	L	L ₁	L ₂	CM MK	Z		HM	TiALN	CERMET
5.80 - 7.60	125	10	59	1	4		■	□	■
7.61 - 9.60	125	10	59	1	4		■	□	■
9.61 - 10.60	125	10	59	1	4		■	□	■
10.61 - 14.60	125	10	59	1	6		■	□	■
14.61 - 15.60	125	14	59	1	6		■	□	■
15.61 - 21.10	160	14	80	2	6		■	□	■
21.11 - 22.10	160	14	80	2	6		■	□	■
22.11 - 28.10	200	18	101	3	6		■	□	■
28.11 - 33.10	200	18	101	3	6		■	□	■





ALÉSOIRS FIXES, CM
FEST-REIBAHLEN, MK
ALESATORI FISSI, CM

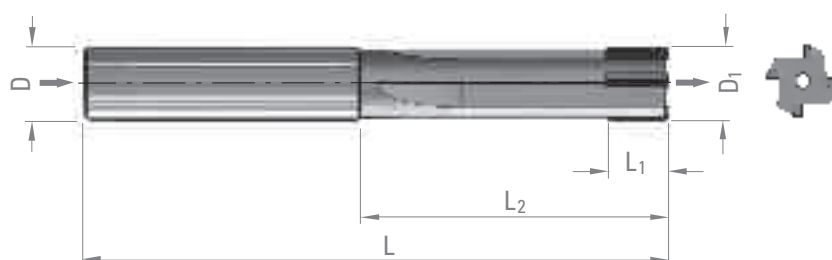
POLY 4200

D ₁	L	L ₁	L ₂	CM MK	Z	HM	TiALN	CERMET
5.80 - 6.60	138	10	72	1	4	■	□	■
6.61 - 7.60	150	10	84	1	4	■	□	■
7.61 - 8.60	156	10	90	1	4	■	□	■
8.61 - 9.60	162	10	96	1	4	■	□	■
9.61 - 10.60	168	10	102	1	4	■	□	■
10.61 - 11.60	175	10	109	1	6	■	□	■
11.61 - 13.60	182	10	116	1	6	■	□	■
13.61 - 14.60	189	10	123	1	6	■	□	■
14.61 - 15.60	204	14	124	2	6	■	□	■
15.61 - 16.60	210	14	130	2	6	■	□	■
16.61 - 17.60	214	14	134	2	6	■	□	■
17.61 - 18.60	219	14	139	2	6	■	□	■
18.61 - 19.10	223	14	143	2	6	■	□	■
19.11 - 20.10	228	14	148	2	6	■	□	■
20.11 - 21.10	232	14	152	2	6	■	□	■
21.11 - 22.10	237	14	157	2	6	■	□	■
22.11 - 23.10	241	14	161	2	6	■	□	■
23.11 - 25.10	268	14	169	3	6	■	□	■
25.11 - 26.10	273	14	174	3	6	■	□	■
26.11 - 28.10	277	18	178	3	6	■	□	■
28.11 - 31.10	281	18	182	3	6	■	□	■
31.11 - 39.10	299	18	200	3	6	■	□	■
39.11 - 45.10	324	18	200	4	6	■	□	■



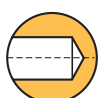
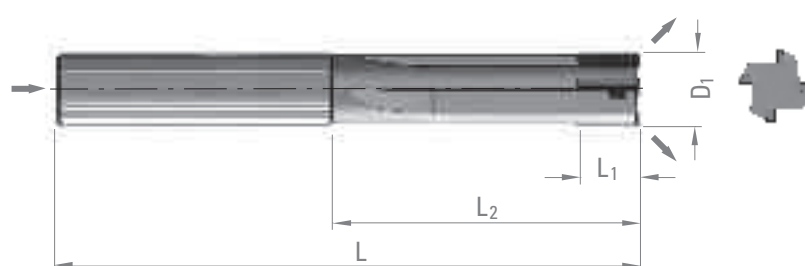
ALÉSOIRS PCD
PKD REIBAHLEN
ALESATORI PCD

POLY 40010-2

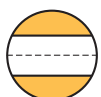


D ₁	L ₁	L ₂	D _{h6}	L	Z
8.000 - 9.100	7	34	8	64	4
9.102 - 10.100	7	44	10	80	4
10.101 - 11.100	7	44	10	80	4
11.101 - 12.300	7	63	12	108	4
12.300 - 13.100	7	63	12	108	4
13.101 - 14.500	7	58	16	108	4
14.501 - 16.100	7	58	16	108	4
16.101 - 18.100	7	58	16	108	4
18.101 - 20.500	7	58	20	108	4
20.501 - 22.100	7	58	20	108	4

POLY 40010-3

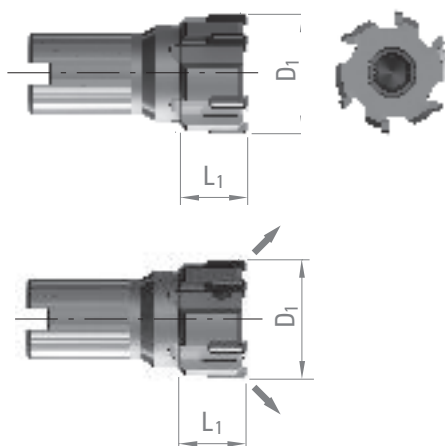


POLY 40010-2



POLY 40010-3

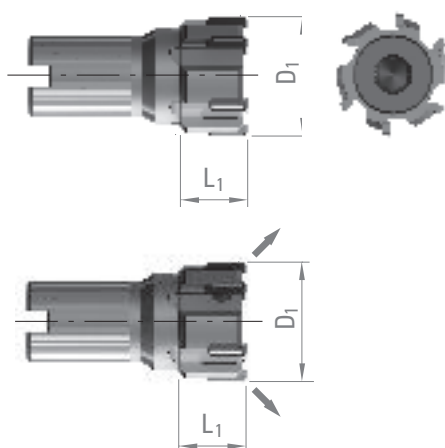
Corps en carbure monobloc
VHM Grundkörper
Stelo in metallo duro



TÊTES FIXES PCD
PKD FEST-KÖPFE
TESTINE FISSE PCD

POLY 44010
POLY 44010-3

	D ₁	L ₁	Z
	9.60 - 12.60	7	4
	12.61 - 14.60	7	4
	14.61 - 15.60	7	4
	15.61 - 18.60	7	4
	18.61 - 21.10	7	4
	21.11 - 23.10	7	6
	23.11 - 28.10	7	6
	28.11 - 31.10	7	6
	31.11 - 45.00	7	6

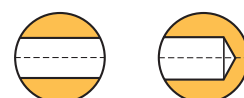


TÊTES EXPANSIBLES PCD
PKD NACHSTELL-KÖPFE
TESTINE ESPANSIBILI PCD

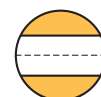
POLY 45010
POLY 45010-3

Commander tasseau et vis d'expansion (ou de fixation) séparément :
Halter und Nachstellschraube (oder Befestigungsschraube) separat bestellen :
 Ordinare mandrino e vite d'espansione (o di fissaggio) separatamente :
 POLY 8001 / 8002
 POLY 8003 / 8004
 POLY 8101 / 8102
 POLY 8501 / 8502
 POLY 6048 / 6049 / 6050
 POLY 6045 / 6046 / 6047

POLY 44010
POLY 45010

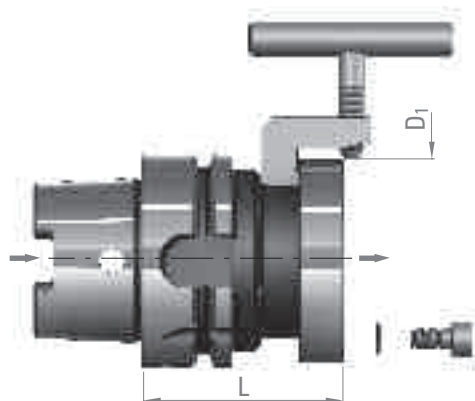


POLY 44010-3
POLY 45010-3



ADAPTATEURS
POUR MACHINES
ADAPTER FÜR MASCHINEN
ADATTATORI PER MACCHINE

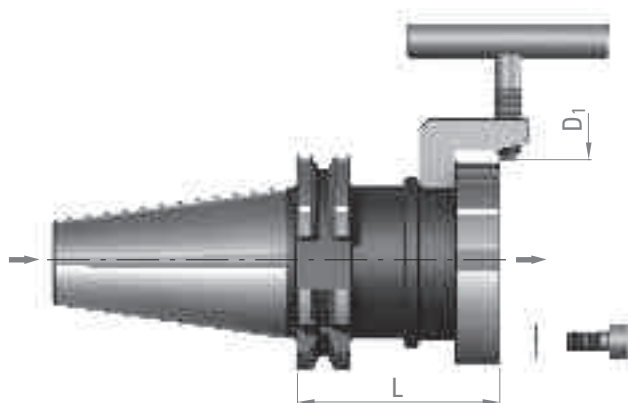
POLY 8254-HSK A



Art.	D ₁	HSK-A DIN 69893	L
400922	40	32	56
401270	40	40	58
401271	40	50	65
401272	40	63	65
401273	40	80	65
401274	40	100	68
400923	60	40	63
400924	60	50	70
401275	60	63	70
401276	60	80	70
401277	60	100	73
400925	71	50	74
400926	71	63	74
401278	71	80	74
401279	71	100	77



Livré avec clé de réglage, vis de fixation et rondelles
Lieferung mit Einstellschlüssel, Spannschrauben und Scheiben
Consegnato con chiave di registrazione, viti di fissaggio e rondelle



ADAPTATEURS
POUR MACHINES
ADAPTER FÜR MASCHINEN
ADATTATORI PER MACCHINE

POLY 8354-DIN 69871 AD

Art.	D ₁	DIN 69871 AD ISO-SK	L
400927	40	40	58
400928	40	50	60.5
400929	60	40	63
400930	60	50	65.5
400931	71	40	67
400932	71	50	69.5

POLY 8354 BT

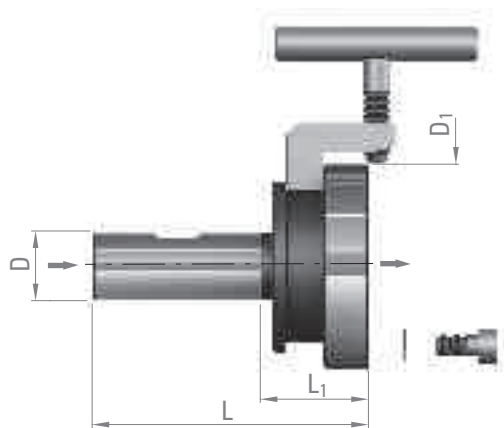
Art.	D ₁	BT	L
64938	60	40	53
61490	71	30	48
61491	71	40	65
951465	71	50	70

Livré avec clé de réglage, vis de fixation et rondelles
Lieferung mit Einstellschlüssel, Spannschrauben und Scheiben
Consegnato con chiave di registrazione, viti di fissaggio e rondelle



ADAPTATEURS INTERMÉDIAIRES,
DIN 1835 B
ZWISCHEN-ADAPTER,
DIN 1835 B
ADATTATORI INTERMEDIARI,
DIN 1835 B

POLY 8054-DIN 1835 B

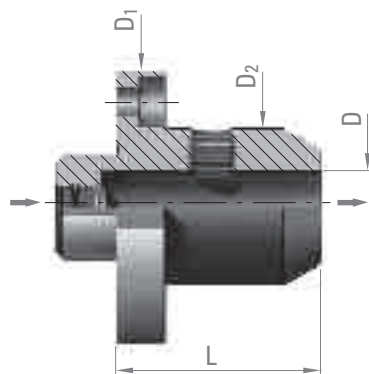


Art.	D ₁	D _{h6}	L ₁	L
400346	40	12	21	68
400347	40	16	23	71
400920	60	20	28	81
400921	60	25	28	87
400348	71	20	34	90
400349	71	25	36	96
400984	71	32	37	100
400351	106	40	38	111



Livré avec clé de réglage, vis de fixation et rondelles
Lieferung mit Einstellschlüssel, Spannschrauben und Scheiben
Consegnato con chiave di registrazione, viti di fissaggio e rondelle





ADAPTATEURS POUR OUTILS,
DIN 1835 B
ADAPTER FÜR WERKZEUGE,
DIN 1835 B
ADATTATORI PER UTENSILI,
DIN 1835 B

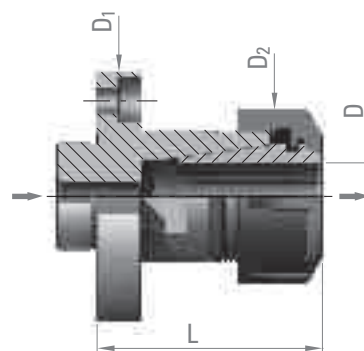
POLY 8524-DIN 1835 B

Art.	D ₁	D _{h6}	D ₂	L
400417	40	8	20	42
400418	40	10	20	46
400933	60	10	30	36
400934	60	12	32	42
400935	60	16	34.5	45
400419	71	12	32	42
64836	71	16	35	58
400420	71	16	35	44
64837	71	20	40	60
400421	71	20	40	46
400422	71	25	50	70
951431	71	32	50	77
400423	106	32	64	77



ADAPTATEURS POUR PINCES ER
 ADAPTER FÜR ER-SPANNZANGEN
 ADATTATORI PER PINZE ER

POLY 8524-ER



Art.	D ₁	ER	D	D ₂	L
400936	40	16	1 - 10	22	40
400938	60	25	1 - 16	42	52
400940	71	32	2 - 20	50	63

Art.	L*
400937	44 *
400939	57 *
400941	65.5 *



* Avec écrou pour arrosage central, livré sans rondelle d'étanchéité

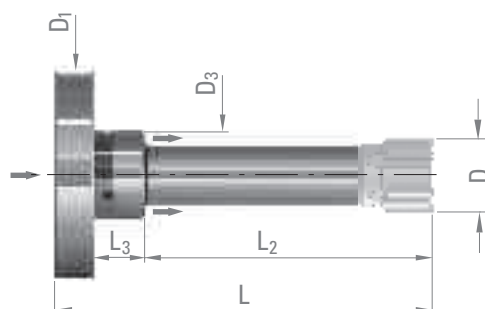
* Mit Mutter für Innenkühlung, Lieferung ohne Dichtscheibe

* Con dado per refrigerazione interna, consegnato senza rondella ermetica

Livré sans pince

Lieferung ohne Spannzange

Consegnato senza pinza



ADAPTATEURS POUR TÊTES
ADAPTER FÜR KÖPFE
 ADATTATORI PER TESTINE

POLY 8501

							Pour têtes <i>Für Köpfe</i> Per testine POLY 44xx, 45xx D
Art.	D ₁	L	L ₂	L ₃	D ₃		
401210	40	69	45	15	14.8	9.60 - 12.60	
401211	40	84	60	15	19.6	12.61 - 15.60	
401212	60	86	60	15	21.6	15.61 - 18.60	
401213	60	106	80	15	24.6	18.61 - 23.10	
401214	71	129	100	15	28.8	23.11 - 31.10	
401215	71	134	105	15	33.8	31.11 - 45.00	
401216	71	119	90	15	14.8	9.60 - 12.60	
401217	71	129	100	15	19.6	12.61 - 15.60	
401218	71	149	120	15	21.6	15.61 - 18.60	
401219	71	169	140	15	24.6	18.61 - 23.10	
401220	71	179	150	15	28.8	23.11 - 31.10	
401221	71	179	150	15	33.8	31.11 - 45.00	

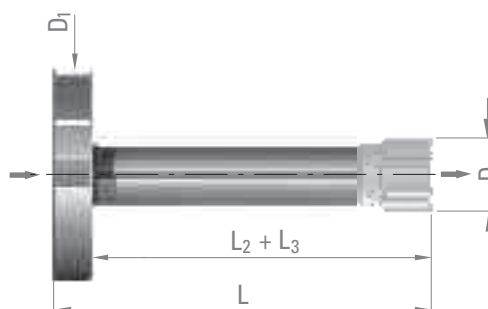
Commander tête et vis d'expansion (ou de fixation) séparément :
Kopf und Nachstellschraube (oder Befestigungsschraube) separat bestellen :
 Ordinare testina e vite d'espansione (o di fissaggio) separatamente :

POLY 4501 / 4504
 POLY 4401 / 4404
 POLY 44010 / 45010
 POLY 6048 / 6049 / 6050
 POLY 6045 / 6046 / 6047



ADAPTATEURS POUR TÊTES
ADAPTER FÜR KÖPFE
 ADATTATORI PER TESTINE

POLY 8502



Pour têtes
Für Köpfe
 Per testine
 POLY 44xx, 45xx
 D

Art.	D ₁	L	L ₂	L ₃	D ₃	D
401222	40	69	45	15	14.8	9.60 - 12.60
401223	40	84	60	15	19.6	12.61 - 15.60
401224	60	86	60	15	21.6	15.61 - 18.60
401225	60	106	80	15	24.6	18.61 - 23.10
401226	71	129	100	15	28.8	23.11 - 31.10
401227	71	134	105	15	33.8	31.11 - 45.00
401228	71	119	90	15	14.8	9.60 - 12.60
401229	71	129	100	15	19.6	12.61 - 15.60
401230	71	149	120	15	21.6	15.61 - 18.60
401231	71	169	140	15	24.6	18.61 - 23.10
401232	71	179	150	15	28.8	23.11 - 31.10
401233	71	179	150	15	33.8	31.11 - 45.00



Commander tête et vis d'expansion (ou de fixation) séparément :
Kopf und Nachstellschraube (oder Befestigungsschraube) separat bestellen :
 Ordinare testina e vite d'espansione (o di fissaggio) separatamente :

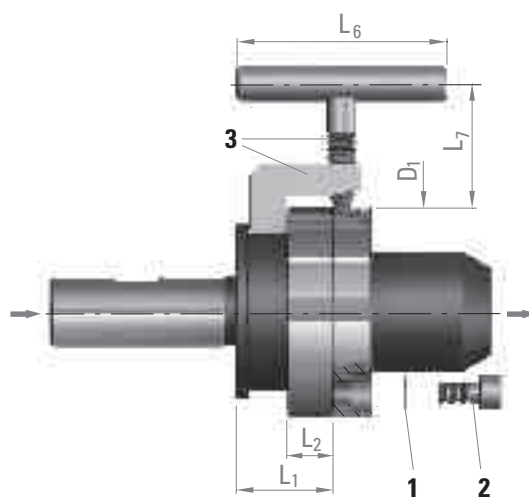
POLY 4501 / 4504
 POLY 4401 / 4404
 POLY 44010 / 45010
 POLY 6048 / 6049 / 6050
 POLY 6045 / 6046 / 6047

**DIMENSIONS
ET PIÈCES DE RECHANGE**
*ABMESSUNGEN
UND ERSATZTEILE*
DIMENSIONI E RICAMBI

PORTE-OUTILS DE COMPENSATION
AUSGLEICSHALTER
MANDRINI DI COMPENSAZIONE

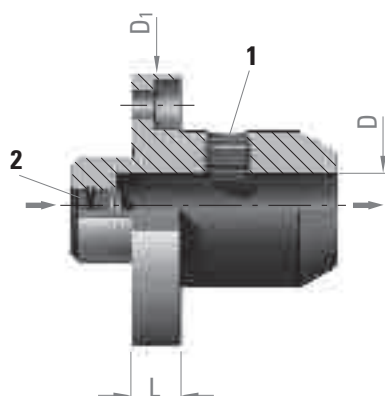
Dimensions
Abmessungen
Dimensioni

D ₁	L ₁	L ₂	L ₃	L ₆	L ₇
40	21	10	8.5	45	31
60	28	13	11	60	35
71	34	15	14	80	48
106	38	16	16	80	48



Pièces de rechange
Ersatzteile
Ricambi

Art. 1		Art. 2	DIN 912	Art. 3	D ₁
400518	Ø 8.5 / Ø 5.3 x 0.45	12624	M5 x 10	400522	40
400942	Ø 9.8 / Ø 6.4 x 0.45	14231	M6 x 12	400523	60
400520	Ø 13.2 / Ø 8.4 x 0.55	8569	M8 x 16	400524	71
400983	Ø 16.2 / Ø 10.5 x 0.70	14233	M10 x 16	400988	106



PIÈCES DE RECHANGE
ERSATZTEILE
RICAMBI

POUR POLY 8524-DIN 1835 B
FÜR POLY 8524-DIN 1835 B
PER POLY 8524-DIN 1835 B

Art. 1	DIN 913	Art. 2	D _{H6}		D ₁
400943	M6 x 5	400944	M6 x 6 / Ø 2.8	8 - 10	40
400978	M8 x 10	400979	M8 x 8 / Ø 3.8	10	60
400945	M10 x 10	400946	M10 x 10 / Ø 4.8	12 - 16	60
400945	M10 x 10	400946	M10 x 10 / Ø 4.8	12 - 16	71
400948	M12 x 10	400946	M10 x 10 / Ø 4.8	20 - 25 - 32	71
400981	M16 x 16	400980	M12 x 12 / Ø 5.8	32	106



CONDITIONS DE COUPE
SCHNITTDATEN
CONDIZIONI DI LAVORO

$$n \text{ [tr/min]} = \frac{V_c \text{ [m/min]} \times 1000}{\pi \times D_1 \text{ [mm]}}$$

HM (TiN,TiCN,TiALN) - CERMET - CBN

		Vc [m/min]			
		HM	HM TiN,TiCN,TiALN	CERMET	CBN
Acier non allié / faiblement allié <i>Niedrig leg. / unleg. Stahl</i> Acciaio non legato / poco legato	< 600 N/mm ²	14 16 20	60 90 120	100 150 200	
Acier non allié / faiblement allié <i>Niedrig leg. / unleg. Stahl</i> Acciaio non legato / poco legato	> 600 N/mm ²	12 14 16	40 70 90	80 130 180	
Acier de décolletage au plomb <i>Bleilegiertes Automatenstahl</i> Acciaio per automati al piombo		20 40 60	60 90 120	80 140 200	
Acier fortement allié / Acier inoxydable <i>Hochleg. Stahl / rostfreier Stahl</i> Ac. fortemente legati / Acciai inossidabili	400-700 N/mm ²	10 12 16	15 30 40		
Ac. ou fonte fortement allié / Ac. inox. réfractaire <i>Hochleg. Stahl oder Guss/warmfester rostfreier Stahl</i> Ac. o ghisa fortemente legata / Ac. refrattario inoss.	700-1500 N/mm ²	8 10 12	10 20 25		
Alliage spécial <i>Sonderlegierung</i> Leghe speciali	Inconel Nimonic Hastelloy	8 10 12	10 20 30		
Fonte grise / Fonte à graphite sphéroïdal perlitique <i>Grauguss / Sphäroguss perlitisch</i> Ghisa grigia / Ghisa perlitica	< 250 HB	20 30 40	40 80 120	80 120 150	300 400 500
Fonte allié / Fonte à graphite sphéroïdal perlitique <i>Leg. Grauguss / Sphäroguss perlitisch</i> Ghisa legata / Ghisa perlitica	> 250 HB	12 18 24	30 70 100	100 150 200	200 300 400
Fonte à graphite sphéroïdal ferritique/ fonte malléable <i>Sphäroguss ferritisch / Temperguss</i> Ghisa ferritica / Ghisa malleabile		14 20 32	100 140 180	100 150 200	

$$V_f \text{ [mm/min]} = n \text{ [tr/min]} \times f \text{ [mm]}$$

CONDITIONS DE COUPE
SCHNITTDATEN
CONDIZIONI DI LAVORO

HM (TiN,TiCN,TiALN) - CERMET - CBN

f [mm/tour] - f [mm/U] - f [mm/giro]

Ø [mm]

5.80-10.60 10.60-18.60 18.60-45.10 45.10-100.00

0.20	0.40	0.50	0.60
0.40	0.60	0.70	0.80
0.60	0.80	0.90	1.00

0.20	0.40	0.50	0.50
0.40	0.60	0.70	0.80
0.60	0.80	0.90	1.10

0.20	0.50	0.60	0.70
0.40	0.70	0.80	1.00
0.60	0.90	1.00	1.20

0.20	0.30	0.30	0.50
0.30	0.40	0.40	0.65
0.40	0.60	0.70	0.90

0.20	0.30	0.30	0.40
0.30	0.40	0.40	0.55
0.40	0.60	0.60	0.70

0.20	0.30	0.30	0.40
0.30	0.40	0.40	0.55
0.40	0.60	0.60	0.70

0.20	0.30	0.40	0.60
0.30	0.60	0.70	0.90
0.50	0.90	1.00	1.20

0.20	0.30	0.40	0.60
0.30	0.60	0.70	0.90
0.50	0.90	1.00	1.20

0.20	0.40	0.50	0.60
0.40	0.70	0.80	1.00
0.60	1.00	1.20	1.40

0.10	0.10	0.10	0.20
0.15	0.15	0.20	0.30
0.20	0.25	0.30	0.40

Surépaisseur Ø [mm]

Reibzugabe Ø [mm]

Sovrametallo Ø [mm]



(V_c ; f)



(V_c ; f + 50 %)



(V_c ; f - 30 %)



CONDITIONS DE COUPE
SCHNITTDATEN
CONDIZIONI DI LAVORO

$$n \text{ [tr/min]} = \frac{V_c \text{ [m/min]} \times 1000}{\pi \times D_1 \text{ [mm]}}$$

HM (TiN,TiCN,TiALN) - CERMET - PCD

		Vc [m/min]			
		HM	HM TiN,TiCN,TiALN	CERMET	PCD
Titane, alliage de titane		10			
<i>Titan, Titanlegierung</i>		12			
Titanio e legna di titanio		16			
Alliage de cuivre / bonne usinabilité / (laiton – bronze)		20	50	100	
<i>Kupferlegierung / gut zerspanbar / (Messing – Bronze)</i>		30	80	180	
Rame e lega / facile da lavorare (ottone – bronzo)		40	120	250	
Alliage de cuivre / usinabilité difficile / Bronze à l'aluminium	CuAlFe	16	40	100	100
<i>Kupferlegierung / schwer zerspanbar / Aluminium-Bronze</i>	Type	24	60	150	180
Rame e lega / difficile da lavorare / Bronzo con alluminio	Ampco	30	100	200	250
Alliage d'aluminium / Alliage de magnésium		20	60		100
<i>Aluminium-Knetlegierung / Magnesiumlegierung</i>		40	90		200
Lega d'alluminio / Lega al magnesio		60	120		300
Fonte d'aluminium		20	50		100
<i>Aluminium Gusslegierung</i>	Si < 8%	40	80		200
Fusione d'alluminio		60	100		300
Fonte d'aluminium		20	40		100
<i>Aluminium Gusslegierung</i>	Si > 8%	36	60		200
Fusione d'alluminio		50	80		300
Plastique		20			
<i>Kunststoff</i>		40			
Plastica		60			
Plastique avec fibres		10	20		80
<i>Kunststoff mit Füllstoff</i>		20	40		120
Plastica rinforzata		30	60		150

$$V_f [\text{mm/min}] = n [\text{tr/min}] \times f [\text{mm}]$$

CONDITIONS DE COUPE
SCHNITTDATEN
CONDIZIONI DI LAVORO

HM (TiN,TiCN,TiALN) - CERMET - PCD

f [mm/tour] - f [mm/U] - f [mm/giro]

Ø [mm]

5.80-10.60 10.60-18.60 18.60-45.10 45.10-100.00

0.20	0.30	0.40	0.50
0.30	0.40	0.50	0.60
0.40	0.50	0.60	0.70

0.20	0.40	0.50	0.60
0.40	0.60	0.60	0.80
0.60	0.80	0.90	1.20

0.20	0.40	0.50	0.60
0.40	0.60	0.70	0.90
0.60	0.80	0.90	1.20

0.20	0.40	0.50	0.70
0.50	0.60	0.70	1.20
0.70	0.90	0.90	1.40

0.20	0.40	0.50	0.60
0.40	0.80	0.80	1.00
0.60	1.20	1.20	1.20

0.20	0.40	0.50	0.60
0.50	0.80	0.80	1.00
0.70	1.20	1.20	1.30

0.20	0.40	0.60	0.80
0.50	0.80	0.80	1.00
0.70	1.20	1.20	1.40

0.20	0.40	0.60	0.80
0.50	0.80	1.00	1.00
0.70	1.20	1.40	1.40

0.10	0.10	0.10	0.20	Surépaisseur Ø [mm]
0.15	0.15	0.20	0.30	Reibzugabe Ø [mm]
0.20	0.25	0.30	0.40	Sovrametallo Ø [mm]



(V_c ; f)



(V_c ; f + 50 %)



(V_c ; f - 30 %)



CONDITIONS DE COUPE
SCHNITTDATEN
 CONDIZIONI DI LAVORO

$$n \text{ [tr/min]} = \frac{V_c \text{ [m/min]} \times 1000}{\pi \times D_1 \text{ [mm]}}$$

POLY 4001
POLY 4007

Matières à usiner <i>Zu bearbeitender Werkstoff</i>		HM
Materiale da lavorare		Vc [m/min]
Acier non allié / faiblement allié <i>Niedrig leg. / unleg. Stahl</i>	< 600 N/mm ²	14
Acciaio non legato / poco legato		16
		20
Acier non allié / faiblement allié <i>Niedrig leg. / unleg. Stahl</i>	> 600 N/mm ²	12
Acciaio non legato / poco legato		14
		16
Acier de décolletage au plomb <i>Bleilegiertes Automatenstahl</i>		20
Acciaio al piombo		40
		60
Acier fortement allié / Acier inoxydable <i>Hochleg. Stahl / rostfreier Stahl</i>	400-700 N/mm ²	10
Ac. fortementement legato / Acciaio inossidabili		12
		16
Acier ou fonte fortement allié / Ac. inox. réfractaire <i>Hochleg. Stahl oder Guss / warmfester rostfreier Stahl</i>	700-1500 N/mm ²	8
Ac. o ghisa fortemente legata / Ac. refrattario inoss.		10
		12
Alliages spéciaux <i>Sonderlegierungen</i>	Inconel	8
	Nimonic	10
Leghe speciali	Hastelloy	12
Fonte grise / Fonte à graphite sphéroïdal perlitique <i>Grauguss / Sphäroguss perlitisches</i>		20
Ghisa grigia / Ghisa perlitica sferoidale		30
		40
Fonte allié / Fonte à graphite sphéroïdal perlitique <i>Leg. Grauguss / Sphäroguss perlitisches</i>	< 250 HB	12
Ghisa / Ghisa perlitica sferoidale		18
		24
Fonte à graphite sphéroïdal ferritique <i>Sphäroguss ferritisch / Temperguss</i>	> 250 HB	14
Ghisa ferritica sferoidale / Ghisa malleabile		20
		32
Titane et alliage de titane <i>Titan und Titanlegierung</i>		10
		12
Titanio e lega di titanio		16
Alliage de cuivre - bonne usinabilité - (laiton - bronze) <i>Kupferlegierung - gut zerspanbar - (Messing - Bronze)</i>		20
Rame e lega - facile da lavorare - (ottone - bronzo)		30
		40
Alliage de cuivre - usinabilité difficile - Bronze à l'aluminium <i>Kupferlegierung - schwer zerspanbar - Aluminium-Bronze</i>	CuAlFe	16
Rame e lega - difficile da lavorare - Bronzo con alluminio		24
		30
Alliage d'aluminium - Alliage de magnésium <i>Aluminium-Knetlegierung - Magnesiumlegierung</i>	Ampco	20
Lega d'alluminio - Lega al magnesio		40
		60
Fonte d'aluminium <i>Aluminium-Gusslegierung</i>	Si < 8%	16
Fusione d'alluminio		30
		40
Fonte d'aluminium <i>Aluminium-Gusslegierung</i>	Si > 8%	20
Fusione d'alluminio		36
		50
Plastique <i>Kunststoff</i>		20
Plastica		40
		60
Plastique avec fibres <i>Kunststoff mit Füllstoff</i>		10
Plastica rinforzata		20
		30
Or, argent <i>Gold, Silber</i>		20
Oro, argento		30
		40

$$V_f [\text{mm/min}] = n [\text{tr/min}] \times f [\text{mm}]$$

CONDITIONS DE COUPE
SCHNITTDATEN
CONDIZIONI DI LAVORO

POLY 4001
POLY 4007

f [mm/tour] - f [mm/U] - f [mm/giro]				
Ø D ₁	Ø D ₁	Ø D ₁	Ø D ₁	
< 2.00	2.00-4.03	4.03-7.51	7.51-12.02	
0.05	0.10	0.30	0.40	
0.15	0.20	0.50	0.60	
0.20	0.30	0.70	0.80	
0.05	0.10	0.25	0.30	
0.15	0.20	0.40	0.50	
0.20	0.30	0.65	0.70	
0.05	0.20	0.40	0.60	
0.15	0.40	0.60	0.80	
0.20	0.50	0.80	1.00	
0.05	0.10	0.20	0.30	
0.15	0.15	0.30	0.40	
0.20	0.25	0.40	0.50	
0.05	0.10	0.20	0.30	
0.15	0.15	0.30	0.40	
0.20	0.20	0.40	0.50	
0.05	0.10	0.20	0.30	
0.15	0.15	0.30	0.40	
0.20	0.20	0.40	0.50	
0.05	0.10	0.40	0.60	
0.15	0.15	0.50	0.70	
0.20	0.25	0.60	0.80	
0.05	0.10	0.30	0.40	
0.15	0.15	0.40	0.50	
0.20	0.20	0.50	0.60	
0.05	0.10	0.30	0.40	
0.15	0.20	0.40	0.50	
0.20	0.30	0.50	0.60	
0.05	0.10	0.20	0.30	
0.15	0.15	0.30	0.40	
0.20	0.20	0.40	0.50	
0.05	0.10	0.30	0.40	
0.15	0.20	0.40	0.50	
0.20	0.30	0.50	0.60	
0.05	0.10	0.30	0.40	
0.15	0.20	0.40	0.50	
0.20	0.30	0.50	0.60	
0.05	0.10	0.40	0.60	
0.20	0.25	0.60	0.80	
0.30	0.40	0.80	1.00	
0.05	0.10	0.40	0.60	
0.15	0.20	0.60	0.80	
0.20	0.30	0.80	1.00	
0.05	0.10	0.40	0.60	
0.20	0.25	0.60	0.80	
0.30	0.40	0.80	1.00	
0.05	0.10	0.40	0.50	
0.20	0.25	0.50	0.60	
0.30	0.40	0.60	0.70	
0.05	0.10	0.30	0.40	
0.20	0.25	0.40	0.50	
0.30	0.40	0.50	0.60	
0.05	0.10	0.40	0.60	
0.15	0.20	0.60	0.80	
0.20	0.30	0.80	1.00	
0.05	0.10	0.10	0.10	Surépaisseur Ø [mm]
0.10	0.15	0.15	0.15	Reibzugabe Ø [mm]
0.15	0.20	0.20	0.20	Sovrametallo Ø [mm]