



# Anguss- einsätze



Tunnel gate inserts  
Embouts d'injection  
Inserti di iniezione



**neusbürger**<sup>®</sup>

EUR 2008

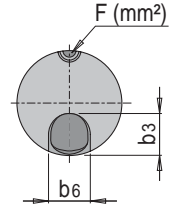
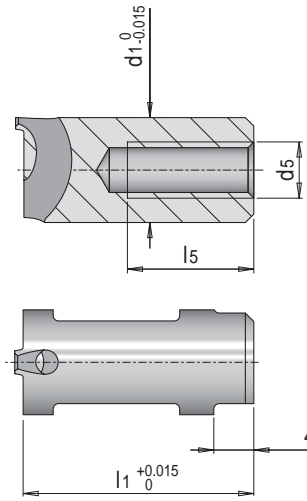
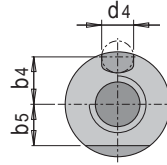
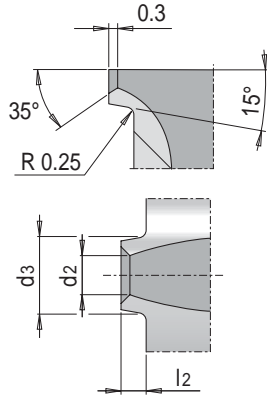
# E 1680

Angusseinsatz rund

tunnel gate insert round

embout d'injection cylindrique

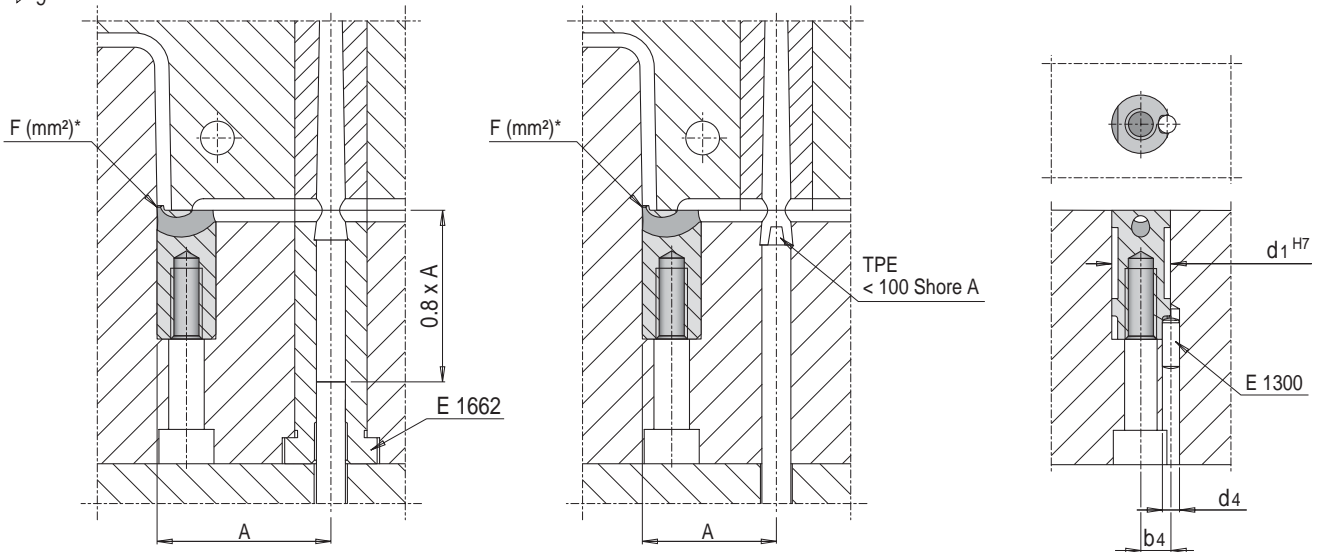
inserto di iniezione cilindrico



Mat.: 3343 ≈60 HRC

SG )*			F (mm²)*	l1	l2	b3	d3	b4	d4	b5	d5	l5	b6	d1	d2	Nr./No.	EUR/1
Visk 1 )*	Visk 2 )*	Visk 3 )*															
- 3 g	- 2 g	- 1 g	0.14	17	0.6	2.5	1.9	-	-	2.75	M4	10	2.5	6	0.6	E 1680/ 6/0.6	108,50
- 5 g	- 4 g	- 3 g	0.14	22	0.6	3.25	1.9	-	-	3	M4	13	3	8	0.6	E 1680/ 8/0.6	110,60
			0.25				2.1								0.8	E 1680/ 8/0.8	110,60
- 30 g	- 20 g	- 12 g	0.25	22	0.8	4	2.2	4.6	3	4	M5	12	4	10	0.8	E 1680/10/0.8	114,90
			0.57				2.6								1.2	E 1680/10/1.2	114,90
			1.01				3.0								1.6	E 1680/10/1.6	114,90
- 50 g	- 35 g	- 25 g	0.57	22	0.8	5	2.6	5.4	4	5	M5	11	5	12	1.2	E 1680/12/1.2	127,70
			1.01				3.0								1.6	E 1680/12/1.6	127,70
			1.57				3.4								2.0	E 1680/12/2.0	127,70
-200 g	-120 g	- 75 g	1.01	22	0.8	6	3.0	6.4	4	6	M6	10	6	14	1.6	E 1680/14/1.6	140,40
			1.57				3.4								2.0	E 1680/14/2.0	140,40
			2.26				3.8								2.4	E 1680/14/2.4	140,40
			3.08				4.2								2.8	E 1680/14/2.8	140,40

Info ⇒ 9



	Elastomere TPE, TPU, TPA, etc.	PE, PP, PET, PBT, etc.	ABS, ASA, PC/ABS, HI-PC, PA, POM, SB, etc.	PA + GF, PC, SAN, PS, PMMA, PEI, etc.
d1	A	A	A	A
6	9 - 12	12 - 18	15 - 22	18 - 25
8	11 - 14	15 - 22	19 - 27	23 - 30
10	15 - 18	19 - 27	24 - 33	28 - 36
12	18 - 22	22 - 30	27 - 36	32 - 40
14	20 - 25	25 - 33	30 - 37	35 - 43

SG )\* Schussgewicht

Visk 1 )\* niedere Viskosität (leicht fließend)

Visk 2 )\* mittlere Viskosität

Visk 3 )\* hohe Viskosität (zäh fließend)

F (mm²)\* Anschnittfläche, siehe Seite 9

SG )\* poids injecté

Visk 1 )\* viscosité peu élevée (flux aisé)

Visk 2 )\* viscosité moyenne

Visk 3 )\* viscosité élevée (flux coriace)

F (mm²)\* surface du point d'injection, voir page 9

SG )\* shot-weight

Visk 1 )\* low viscosity (easily flowing)

Visk 2 )\* medium viscosity

Visk 3 )\* high viscosity (toughly flowing)

F (mm²)\* gate surface, see page 9

SG )\* peso d'iniezione

Visk 1 )\* bassa viscosità (flusso leggero)

Visk 2 )\* media viscosità

Visk 3 )\* elevata viscosità (flusso denso)

F (mm²)\* superficie del punto d'iniezione, vedere pagina 9

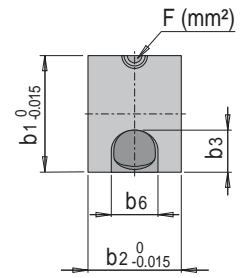
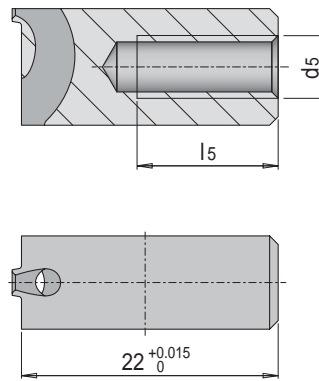
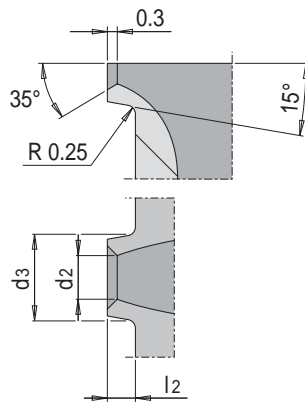
# E 1685

Angusseneinsatz  
rechteckig

tunnel gate insert  
rectangular

embout d'injection  
rectangulaire

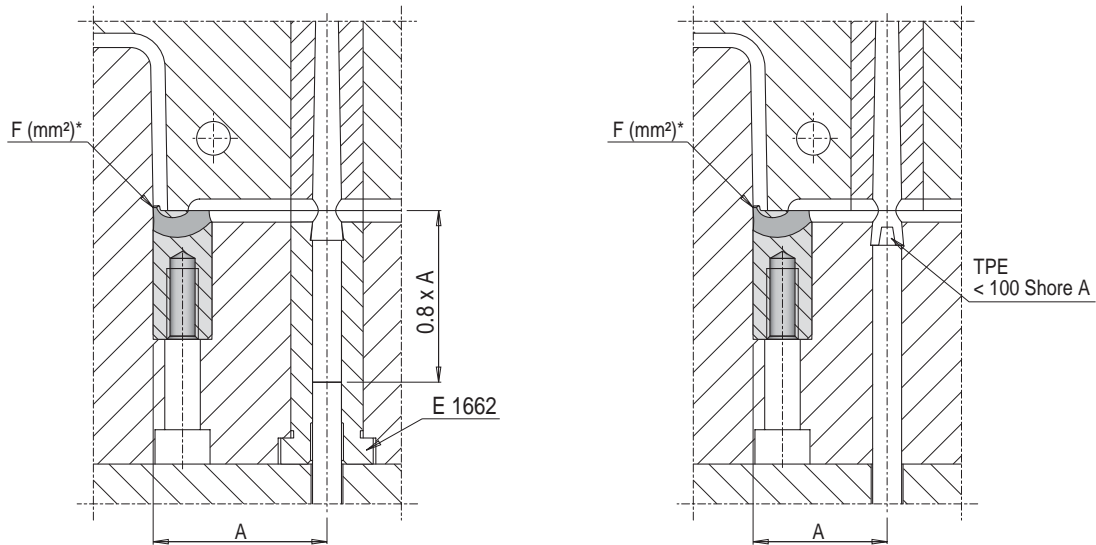
inserto di iniezione  
rettangolare



Mat.: 3343 ≈60 HRC

SG)*			F (mm²)*	b2	l2	b3	d3	d5	l5	b6	b1	d2	Nr./No.	EUR/1		
- 5 g	- 4 g	- 3 g	0.14	6	0.6	3.25	1.9	M4	13	3	8	0.6	E 1685/ 8/0.6	112,60		
			0.25				2.1					0.8			E 1685/ 8/0.8	112,60
- 30 g	- 20 g	- 12 g	0.25	8	0.8	4	2.2	M5	12	4	10	0.8	E 1685/10/0.8	114,90		
			0.57				2.6					1.2			E 1685/10/1.2	114,90
			1.01				3.0					1.6			E 1685/10/1.6	114,90
- 50 g	- 35 g	- 25 g	0.57	10	0.8	5	2.6	M5	11	5	12	1.2	E 1685/12/1.2	127,70		
			1.01				3.0					1.6			E 1685/12/1.6	127,70
			1.57				3.4					2.0			E 1685/12/2.0	127,70
-200 g	-120 g	- 75 g	1.01	12	0.8	6	3.0	M6	10	6	14	1.6	E 1685/14/1.6	140,40		
			1.57				3.4					2.0			E 1685/14/2.0	140,40
			2.26				3.8					2.4			E 1685/14/2.4	140,40
			3.08				4.2					2.8			E 1685/14/2.8	140,40

Info ⇒ 9



	Elastomere TPE, TPU, TPA, etc.	PE, PP, PET, PBT, etc.	ABS, ASA, PC/ABS, HI-PC, PA, POM, SB, etc.	PA + GF, PC, SAN, PS, PMMA, PEI, etc.
b1	A	A	A	A
8	11 - 14	15 - 22	19 - 27	23 - 30
10	15 - 18	19 - 27	24 - 33	28 - 36
12	18 - 22	22 - 30	27 - 36	32 - 40
14	20 - 25	25 - 33	30 - 37	35 - 43

SG)\* Schussgewicht  
 Visk 1)\* niedere Viskosität (leicht fließend)  
 Visk 2)\* mittlere Viskosität  
 Visk 3)\* hohe Viskosität (zäh fließend)  
 F (mm²)\* Anschnittfläche, siehe Seite 9

SG)\* shot-weight  
 Visk 1)\* low viscosity (easily flowing)  
 Visk 2)\* medium viscosity  
 Visk 3)\* high viscosity (toughly flowing)  
 F (mm²)\* gate surface, see page 9

SG)\* poids injecté  
 Visk 1)\* viscosité peu élevée (flux aisé)  
 Visk 2)\* viscosité moyenne  
 Visk 3)\* viscosité élevée (flux coriace)  
 F (mm²)\* surface du point d'injection, voir page 9

SG)\* peso d'iniezione  
 Visk 1)\* bassa viscosità (flusso leggero)  
 Visk 2)\* media viscosità  
 Visk 3)\* elevata viscosità (flusso denso)  
 F (mm²)\* superficie del punto d'iniezione, vedere pagina 9

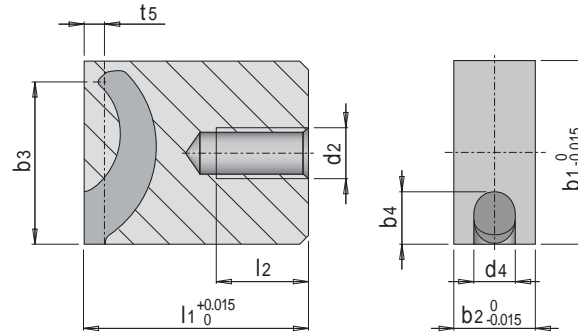
# E 1690

Angusseinsatz Kontur  
60 HRC

contour tunnel gate insert  
60 HRC

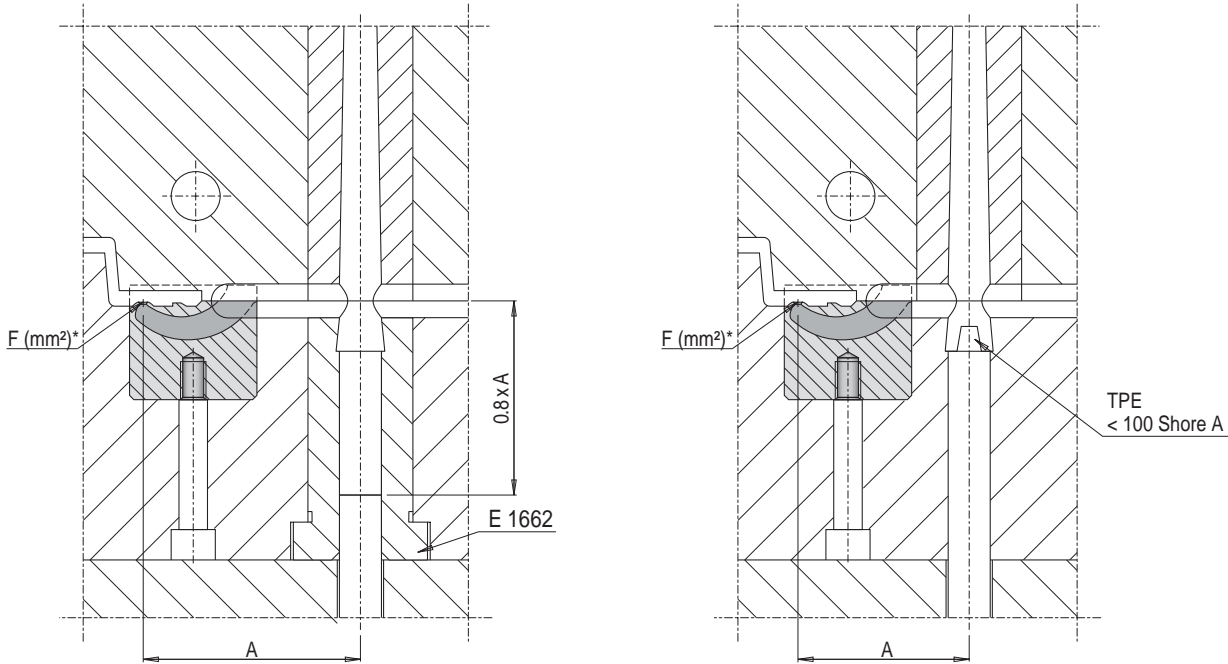
embout d'injection  
pour contour 60 HRC

inserto di iniezione  
per forma 60 HRC



SG )*													Mat.: 3343 ≈60 HRC	
Visk 1 )*	Visk 2 )*	Visk 3 )*	l1	b2	d2	l2	b3	b4	d4	t5	b1	Nr. /No.	EUR/1	
- 12 g	- 7 g	- 5 g	18	6	M4	8	13.3	4	2.5	2	15	E 1690/15	134,00	
- 35 g	- 25 g	- 15 g	22	8	M5	9	16	5.2	4	2	18	E 1690/18	140,40	
- 120 g	- 75 g	- 50 g	22	10	M5	8	22.1	6.5	6	3	25	E 1690/25	165,90	
-1000 g	-500 g	-300 g	27	12	M6	9	26.9	7	8	5	30	E 1690/30	191,50	
-1000 g	-500 g	-300 g	36	12	M6	8	41.2	9.6	8	10	45	E 1690/45	229,80	

Info ⇒ 6 - 9



	Elastomere TPE, TPU, TPA, etc.	PE, PP, PET, PBT	ABS, ASA, ABS/PC, PA, POM, SB	PA + GF, PC, SAN, PS, PMMA, PEI
b1	A	A	A	A
15	16 - 21	18 - 25	21 - 28	27 - 34
18	21 - 26	26 - 34	31 - 39	36 - 45
25	28 - 33	31 - 39	36 - 44	41 - 50
30	33 - 38	38 - 48	43 - 53	48 - 58
45	48 - 53	53 - 63	58 - 68	-

SG )\* Schussgewicht  
Visk 1 )\* niedere Viskosität (leicht fließend)  
Visk 2 )\* mittlere Viskosität  
Visk 3 )\* hohe Viskosität (zäh fließend)  
F (mm²)\* Anschnittfläche, siehe Seite 9

SG )\* shot-weight  
Visk 1 )\* low viscosity (easily flowing)  
Visk 2 )\* medium viscosity  
Visk 3 )\* high viscosity (toughly flowing)  
F (mm²)\* gate surface, see page 9

SG )\* poids injecté  
Visk 1 )\* viscosité peu élevée (flux aisé)  
Visk 2 )\* viscosité moyenne  
Visk 3 )\* viscosité élevée (flux coriace)  
F (mm²)\* surface du point d'injection, voir page 9

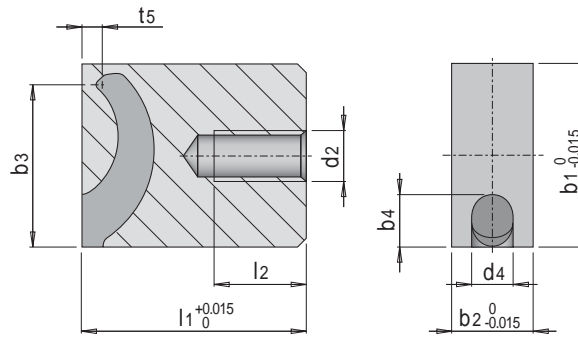
SG )\* peso d'iniezione  
Visk 1 )\* bassa viscosità (flusso leggero)  
Visk 2 )\* media viscosità  
Visk 3 )\* elevata viscosità (flusso denso)  
F (mm²)\* superficie del punto d'iniezione, vedere pagina 9

**E 1692** Angusseinsatz Kontur 40 HRC

contour tunnel gate insert 40 HRC

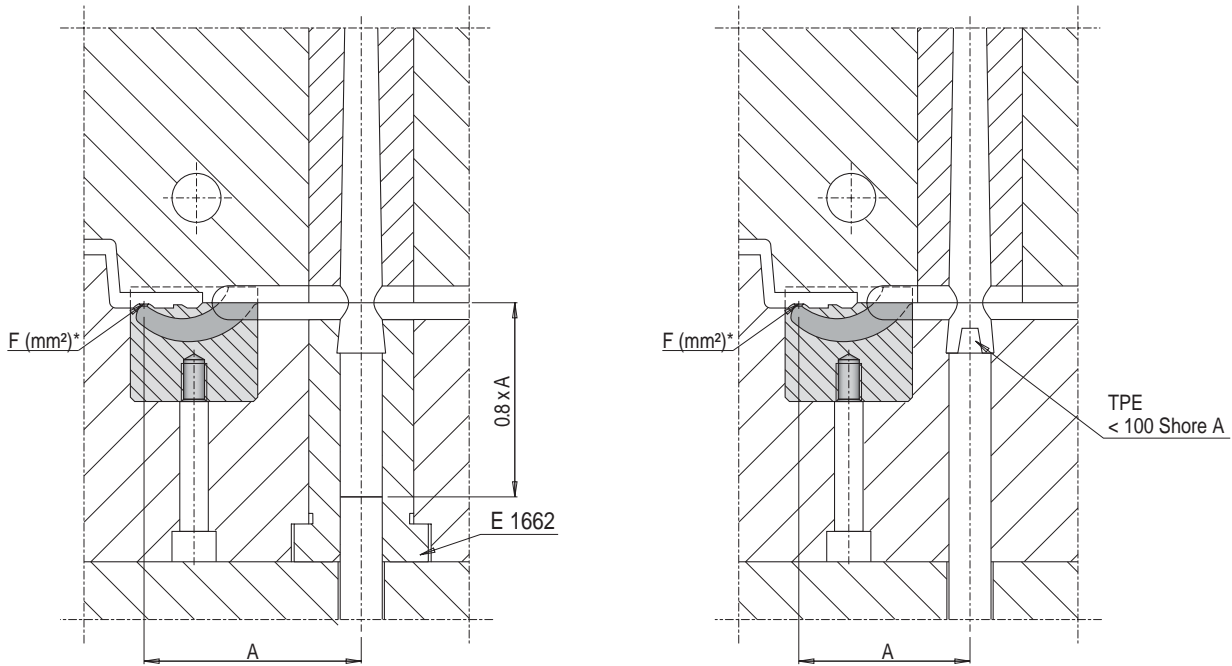
embout d'injection pour contour 40 HRC

inserto di iniezione per forma 40 HRC



SG)*													Mat.: 3343 ≈40 HRC	
Visk 1)*	Visk 2)*	Visk 3)*	l1	b2	d2	l2	b3	b4	d4	t5	b1	Nr./No.	EUR/1	
- 12 g	- 7 g	- 5 g	18	6	M4	8	13.3	4	2.5	2	15	E 1692/15	107,40	
- 35 g	- 25 g	- 15 g	22	8	M5	9	16	5.2	4	2	18	E 1692/18	114,90	
- 120 g	- 75 g	- 50 g	22	10	M5	8	22.1	6.5	6	3	25	E 1692/25	140,40	
-1000 g	- 500 g	- 300 g	27	12	M6	9	26.9	7	8	5	30	E 1692/30	165,90	
-1000 g	- 500 g	- 300 g	36	12	M6	8	41.2	9.6	8	10	45	E 1692/45	204,20	

Info ⇒ 6 - 9





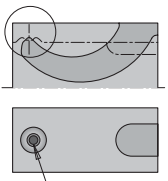

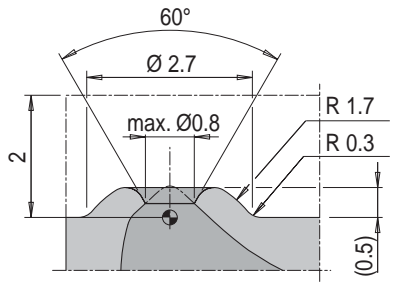
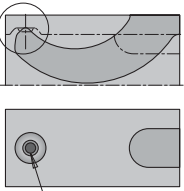
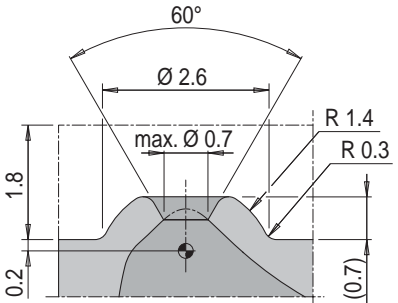
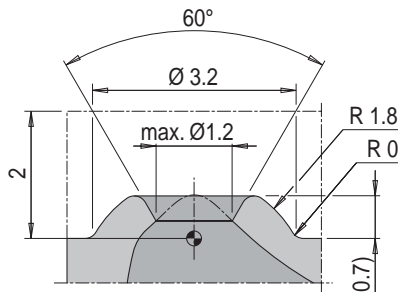
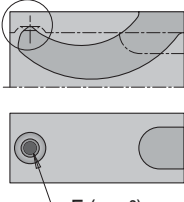
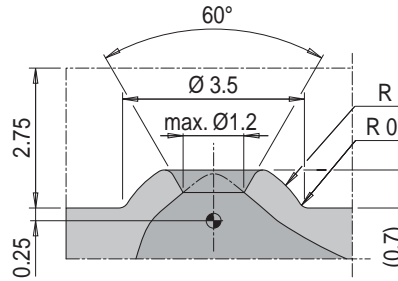
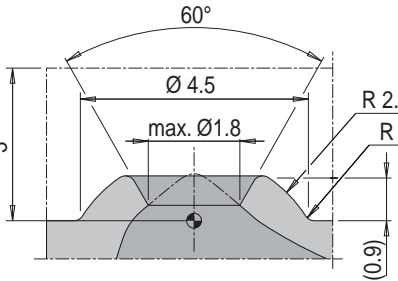
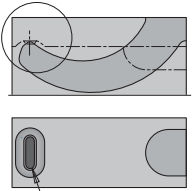
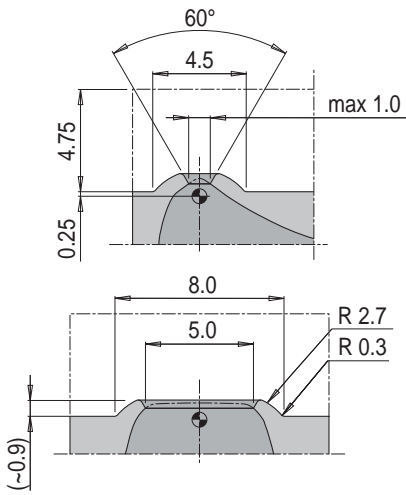
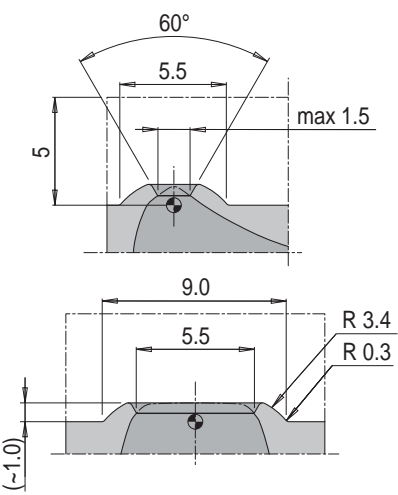
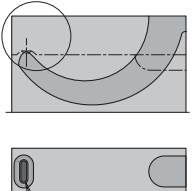
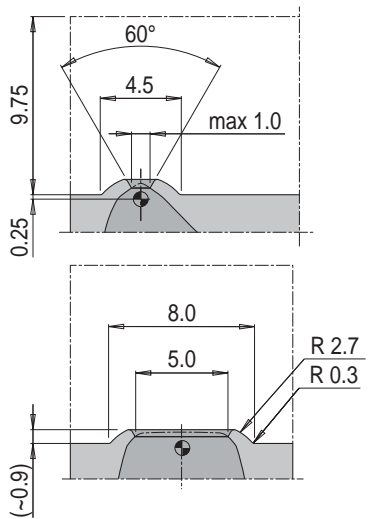
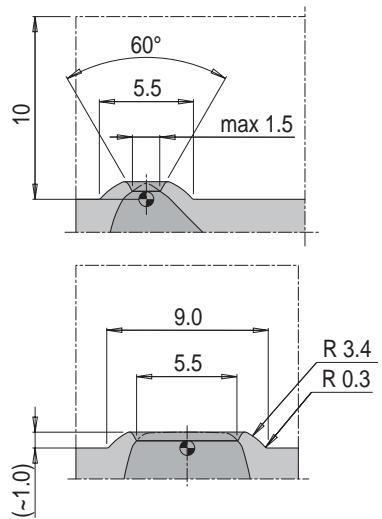
	Elastomere TPE, TPU, TPA, etc.	PE, PP, PET, PBT	ABS, ASA, ABS/PC, PA, POM, SB	PA + GF, PC, SAN, PS, PMMA, PEI
b1	A	A	A	A
15	16 - 21	18 - 25	21 - 28	27 - 34
18	21 - 26	26 - 34	31 - 39	36 - 45
25	28 - 33	31 - 39	36 - 44	41 - 50
30	33 - 38	38 - 48	43 - 53	48 - 58
45	48 - 53	53 - 63	58 - 68	-

SG)\* Schussgewicht  
 Visk 1)\* niedere Viskosität (leicht fließend)  
 Visk 2)\* mittlere Viskosität  
 Visk 3)\* hohe Viskosität (zäh fließend)  
 F (mm²)\* Anschnittfläche, siehe Seite 9

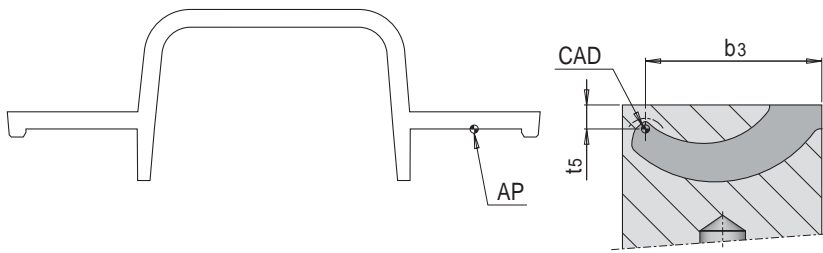
SG)\* shot-weight  
 Visk 1)\* low viscosity (easily flowing)  
 Visk 2)\* medium viscosity  
 Visk 3)\* high viscosity (toughly flowing)  
 F (mm²)\* gate surface, see page 9

SG)\* poids injecté  
 Visk 1)\* viscosité peu élevée (flux aisé)  
 Visk 2)\* viscosité moyenne  
 Visk 3)\* viscosité élevée (flux coriace)  
 F (mm²)\* surface du point d'injection, voir page 9

SG)\* peso d'iniezione  
 Visk 1)\* bassa viscosità (flusso leggero)  
 Visk 2)\* media viscosità  
 Visk 3)\* elevata viscosità (flusso denso)  
 F (mm²)\* superficie del punto d'iniezione, vedere pagina 9

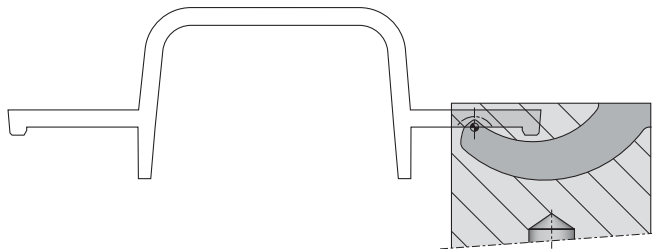
	 Kalotte klein / small calotte petite calotte / piccola calotta	 Kalotte standard / calotte standard calotte standard / calotta standard						
E 1690/15 E 1692/15  F (mm <sup>2</sup> )		 <table border="1" data-bbox="1380 336 1468 481"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>0.13</td></tr> <tr><td>0.50</td></tr> </table>	F (mm <sup>2</sup> )	0.13	0.50			
F (mm <sup>2</sup> )								
0.13								
0.50								
E 1690/18 E 1692/18  F (mm <sup>2</sup> )	 <table border="1" data-bbox="821 672 909 817"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>0.13</td></tr> <tr><td>0.38</td></tr> </table>	F (mm <sup>2</sup> )	0.13	0.38	 <table border="1" data-bbox="1380 672 1468 817"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>0.13</td></tr> <tr><td>1.13</td></tr> </table>	F (mm <sup>2</sup> )	0.13	1.13
F (mm <sup>2</sup> )								
0.13								
0.38								
F (mm <sup>2</sup> )								
0.13								
1.13								
E 1690/25 E 1692/25  F (mm <sup>2</sup> )	 <table border="1" data-bbox="821 996 909 1142"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>0.13</td></tr> <tr><td>1.13</td></tr> </table>	F (mm <sup>2</sup> )	0.13	1.13	 <table border="1" data-bbox="1380 996 1468 1142"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>0.13</td></tr> <tr><td>2.54</td></tr> </table>	F (mm <sup>2</sup> )	0.13	2.54
F (mm <sup>2</sup> )								
0.13								
1.13								
F (mm <sup>2</sup> )								
0.13								
2.54								
E 1690/30 E 1692/30  F (mm <sup>2</sup> )	 <table border="1" data-bbox="821 1500 909 1646"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>2.14</td></tr> <tr><td>4.72</td></tr> </table>	F (mm <sup>2</sup> )	2.14	4.72	 <table border="1" data-bbox="1380 1500 1468 1646"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>2.14</td></tr> <tr><td>7.60</td></tr> </table>	F (mm <sup>2</sup> )	2.14	7.60
F (mm <sup>2</sup> )								
2.14								
4.72								
F (mm <sup>2</sup> )								
2.14								
7.60								
E 1690/45 E 1692/45  F (mm <sup>2</sup> )	 <table border="1" data-bbox="821 2049 909 2195"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>2.14</td></tr> <tr><td>4.72</td></tr> </table>	F (mm <sup>2</sup> )	2.14	4.72	 <table border="1" data-bbox="1380 2049 1468 2195"> <tr><th>F (mm<sup>2</sup>)</th></tr> <tr><td>2.14</td></tr> <tr><td>7.60</td></tr> </table>	F (mm <sup>2</sup> )	2.14	7.60
F (mm <sup>2</sup> )								
2.14								
4.72								
F (mm <sup>2</sup> )								
2.14								
7.60								

CAD-Nullpunkt / CAD datum point  
 point de référence DAO / punto di riferimento CAD



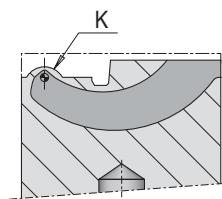
CAD: CAD-Nullpunkt      AP: gewünschter Anspritzpunkt      CAD: CAD datum point      AP: determined injection point  
 CAD: point de référence DAO      AP: point d'injection souhaité      CAD: punto di riferimento CAD      AP: punto d'iniezione desiderato

Angusseinsatz positionieren / position the tunnel gate insert  
 positionner l'embout d'injection / posizionare l'inserto d'iniezione



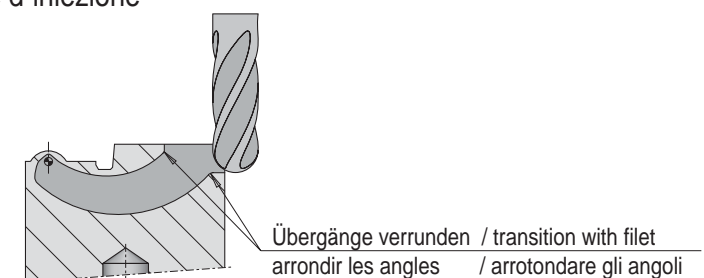
CAD-Nullpunkt des Einsatzes auf dem Anspritzpunkt platzieren      place the CAD datum point of the insert on the injection point  
 placer le point de référence DAO de l'embout sur le point d'injection      piazzare il punto di riferimento CAD dell'inserto sul punto d'iniezione

Teilekontur und Kalotte abziehen / deduct the part's contour and the calotte  
 déduire le contour de la pièce et la calotte / togliere il contorno del pezzo e della calotta



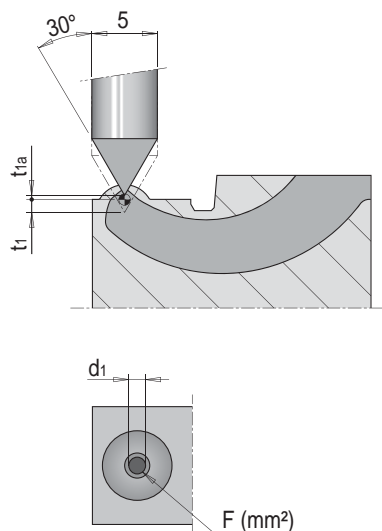
K: Konturfläche der Kalotte in 3D CAD Daten enthalten      K: the contour surface of the calotte is contained in the 3D CAD data  
 K: la surface du contour de la calotte se trouvent dans les données DAO 3D      K: la superficie della calotta è inclusa nei dati CAD in 3D

Angusskanal anpassen / adjust the injection duct  
 adapter le canal d'injection / adattare il canale d'iniezione



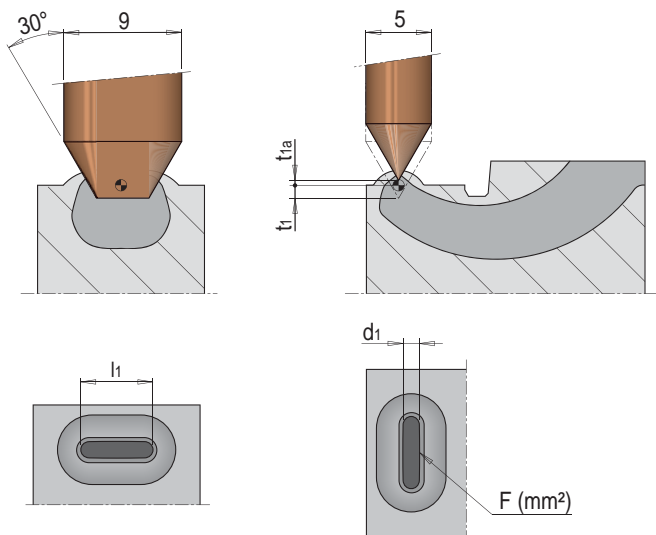
Angusskanal des Einsatzes nachbearbeiten      adjust the injection duct of the tunnel gate insert  
 reprendre en usinage le canal d'injection de l'embout      ritocco del canale d'iniezione dell'inserto

Fräsen / milling  
fraisage / fresatura



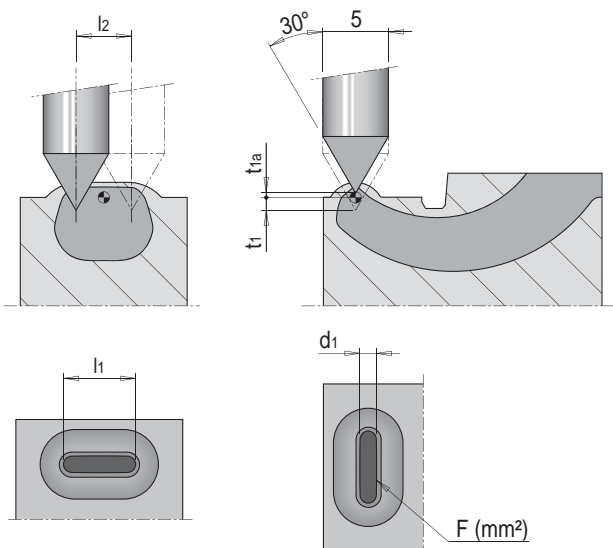
b1	F (mm²)	Fräsen / milling fraisage / fresatura		
		d1	t1	t1a
15	0.13	0.4		0.07
	0.20	0.5	0.06	
	0.28	0.6	0.20	
	0.38	0.7	0.33	
	0.50	0.8	0.47	
18	0.13	0.4		0.28
	0.20	0.5		0.16
	0.28	0.6		0.04
	0.38	0.7	0.09	
	0.50	0.8	0.23	
	0.64	0.9	0.36	
	0.78	1.0	0.50	
	0.95	1.1	0.63	
	1.13	1.2	0.76	
25	0.13	0.4		0.51
	0.20	0.5		0.39
	0.28	0.6		0.27
	0.38	0.7		0.15
	0.50	0.8		0.02
	0.64	0.9	0.10	
	0.78	1.0	0.23	
	0.95	1.1	0.36	
	1.13	1.2	0.48	
	1.33	1.3	0.61	
	1.54	1.4	0.74	
	1.77	1.5	0.87	
	2.01	1.6	1.00	
	2.27	1.7	1.13	
	2.54	1.8	1.26	

Erodieren / spark erosion  
électroérosion / elettroerosione



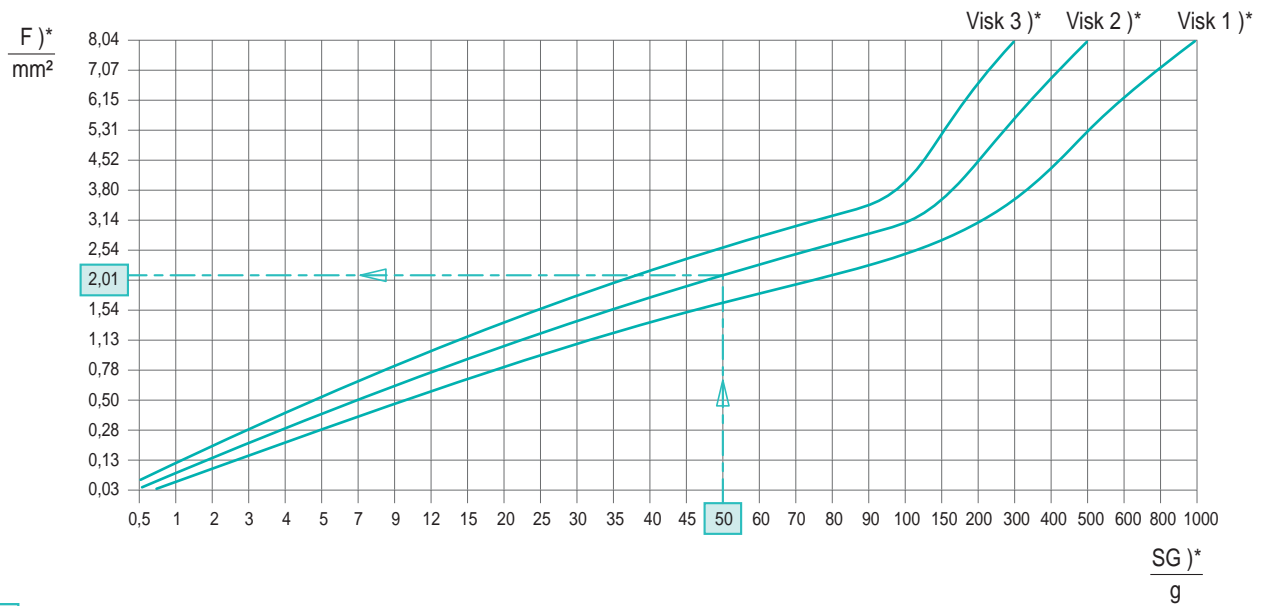
b1	F (mm²)	Erodieren / spark erosion électroérosion / elettroerosione			
		d1	l1	t1	t1a
30 / 45	2.14	0.5	4.5		0.35
	2.63	0.6	4.6		0.23
	3.13	0.7	4.7		0.11
	3.65	0.8	4.8	0.01	
	4.18	0.9	4.9	0.13	
	4.72	1.0	5.0	0.25	
	5.27	1.1	5.1	0.37	
	5.84	1.2	5.2	0.49	
	6.41	1.3	5.3	0.62	
	7.00	1.4	5.4	0.74	
7.60	1.5	5.5	0.86		

Fräsen / milling  
fraisage / fresatura



b1	F (mm²)	Fräsen / milling fraisage / fresatura				
		d1	l1	t1	t1a	l2
30 / 45	2.14	0.5	4.5		0.35	4
	2.63	0.6	4.6		0.23	
	3.13	0.7	4.7		0.11	
	3.65	0.8	4.8	0.01		
	4.18	0.9	4.9	0.13		
	4.72	1.0	5.0	0.25		
	5.27	1.1	5.1	0.37		
	5.84	1.2	5.2	0.49		
	6.41	1.3	5.3	0.62		
	7.00	1.4	5.4	0.74		
7.60	1.5	5.5	0.86			

Anschnittfläche / gate surface  
 surface du point d'injection / superficie del punto d'iniezione



Beispiel für 50g PA / example for 50g PA  
 exemple pour 50g PA / esempio per 50g PA

Achtung: Bei Verwendung von gefüllten Kunststoffen (Glasfaser, Kohlefaser etc.) die mit der Tabelle ermittelte Anschnittfläche um ~ 45% vergrößern!  
 Die empfohlenen Schussgewichte und Anschnittdurchmesser sind nur Richtwerte. Geometrie des Teiles, Werkzeugkonzept, Kunststofftyp und Füllstoffe müssen individuell berücksichtigt werden.

Caution: When using filled plastics (glass fibres, carbon fibres etc.) you should increase the determined gate surface by ~ 45%.  
 The recommended shotweights and gate diameters are guide values only! Please also take into account such individual parameters as part geometry, mold design, type of plastic and fillers.

Attention: Pour la mise en oeuvre de matières renforcées (fibres de verre, fibres de carbons ou autres) la valeur de la superficie au point d'injection issue du tableau doit être augmentée de 45% environ!  
 Les poids injectés en rapport avec la section du point d'injection ne sont que des valeurs indicatives. La géométrie de la pièce, la conception du moule ainsi que la matière plastique injectée ou les matières de remplissage sont à considérer individuellement.

Attenzione: In caso di impiego di plastica caricata (fibre di vetro, di carbonio ecc.) è necessario aumentare del ~ 45% la superficie del punto d'iniezione calcolato in base alla tabella!  
 I pesi ed i diametri d'iniezione consigliati sono soltanto valori indicativi. La geometria del pezzo, la progettazione dello stampo, il tipo di plastica ed i riempitivi devono essere considerati individualmente.

SG)\* Schussgewicht  
 Visk 1)\* niedere Viskosität (leicht fließend)  
 Visk 2)\* mittlere Viskosität  
 Visk 3)\* hohe Viskosität (zäh fließend)  
 F (mm²)\* Anschnittfläche

SG)\* shot-weight  
 Visk 1)\* low viscosity (easily flowing)  
 Visk 2)\* medium viscosity  
 Visk 3)\* high viscosity (toughly flowing)  
 F (mm²)\* gate surface

SG)\* poids injecté  
 Visk 1)\* viscosité peu élevée (flux aisé)  
 Visk 2)\* viscosité moyenne  
 Visk 3)\* viscosité élevée (flux coriace)  
 F (mm²)\* surface du point d'injection

SG)\* peso d'iniezione  
 Visk 1)\* bassa viscosità (flusso leggero)  
 Visk 2)\* media viscosità  
 Visk 3)\* elevata viscosità (flusso denso)  
 F (mm²)\* superficie del punto d'iniezione

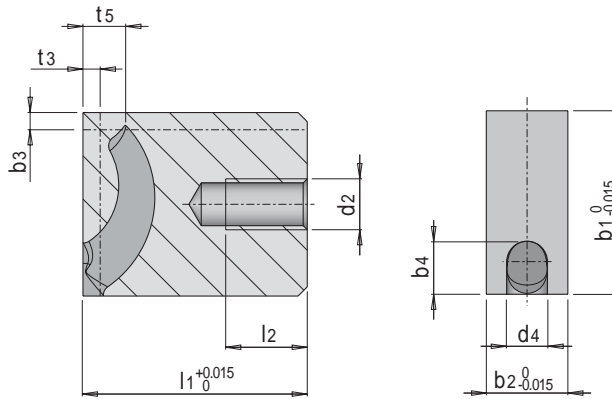
# E 1695

Angusseinsatz Kontur seitlich

lateral contour tunnel gate insert

embout d'injection pour contour latéral

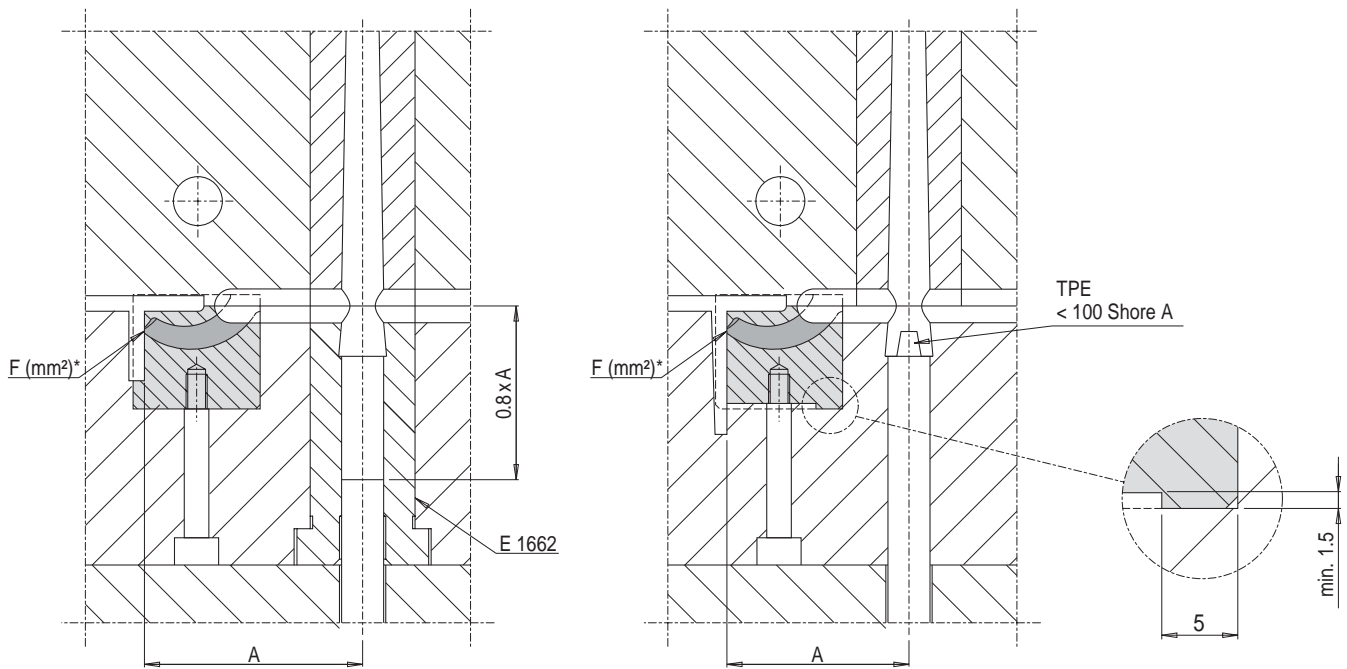
inserto di iniezione per forma laterale



Mat.: 3343 ≈54 HRC

SG)*														Mat.: 3343 ≈54 HRC	
Visk 1)*	Visk 2)*	Visk 3)*	b2	b3 max	b4	d2	d4	l1	l2	t3 max	t5	b1	Nr. /No.	EUR/1	
- 35 g	- 25 g	- 15 g	8	1.8	5.2	M5	4	22	9	2	4.1	18	E 1695/18	130,80	
- 250 g	- 120 g	- 90 g	10	2.5	6.5	M5	6	22	8	2.5	5.7	25	E 1695/25	148,40	
-1000 g	- 500 g	- 300 g	12	2.8	7	M6	8	27	9	4.5	8.4	30	E 1695/30	178,40	

Info ⇒ 9, 11



	Elastomere TPE, TPU, TPA etc.	PE, PP, PET, PBT	ABS, ASA, ABS/PC, PA, POM, SB	PA + GF, PC, SAN, PS, PMMA, PEI
b1	A	A	A	A
18	21 - 26	26 - 34	31 - 39	36 - 45
25	28 - 33	31 - 39	36 - 44	41 - 50
30	33 - 38	38 - 48	43 - 53	48 - 58

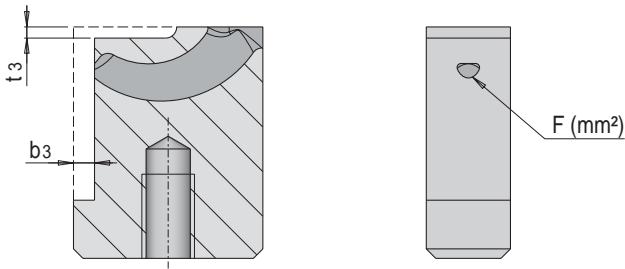
SG)\* Schussgewicht  
 Visk 1)\* niedere Viskosität (leicht fließend)  
 Visk 2)\* mittlere Viskosität  
 Visk 3)\* hohe Viskosität (zäh fließend)  
 F (mm²)\* Anschnittfläche, siehe Seite 9

SG)\* shot-weight  
 Visk 1)\* low viscosity (easily flowing)  
 Visk 2)\* medium viscosity  
 Visk 3)\* high viscosity (toughly flowing)  
 F (mm²)\* gate surface, see page 9

SG)\* poids injecté  
 Visk 1)\* viscosité peu élevée (flux aisé)  
 Visk 2)\* viscosité moyenne  
 Visk 3)\* viscosité élevée (flux coriace)  
 F (mm²)\* surface du point d'injection, voir page 9

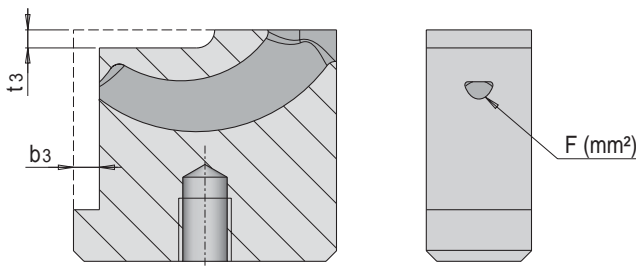
SG)\* peso d'iniezione  
 Visk 1)\* bassa viscosità (flusso leggero)  
 Visk 2)\* media viscosità  
 Visk 3)\* elevata viscosità (flusso denso)  
 F (mm²)\* superficie del punto d'iniezione, vedere pagina 9

E 1695/18



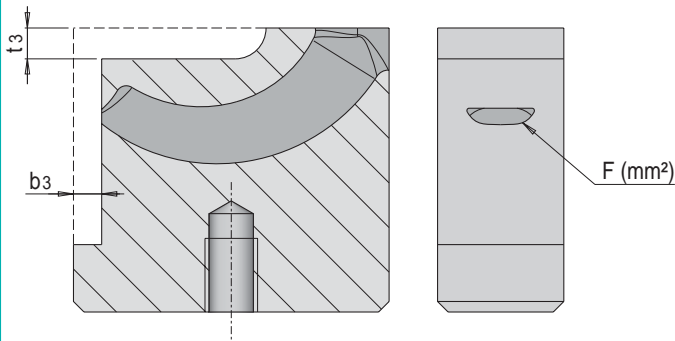
b1	F (mm²)	Fräsen / milling fraisage / fresatura		
		~ Ø	b3	t3 max
18	0.28	0.6	1.4	2
	0.53	0.8	1.5	
	0.82	1.0	1.6	
	1.15	1.2	1.7	
	1.52	1.4	1.8	

E 1695/25



b1	F (mm²)	Fräsen / milling fraisage / fresatura		
		~ Ø	b3	t3 max
25	0.28	0.6	1.7	2.5
	0.54	0.8	1.8	
	0.84	1.0	1.9	
	1.20	1.2	2.0	
	1.57	1.4	2.1	
	2.00	1.6	2.2	
	2.43	1.75	2.3	
	2.90	1.9	2.4	
	3.40	2.1	2.5	

E 1695/30



b1	F (mm²)	Fräsen / milling fraisage / fresatura		
		~ Ø	b3	t3 max
30	1.00	1.1	2.0	4.5
	1.75	1.5	2.1	
	2.56	1.8	2.2	
	3.43	2.1	2.3	
	4.35	2.35	2.4	
	5.32	2.6	2.5	
	6.33	2.85	2.6	
	7.38	3.0	2.7	
	8.48	3.3	2.8	

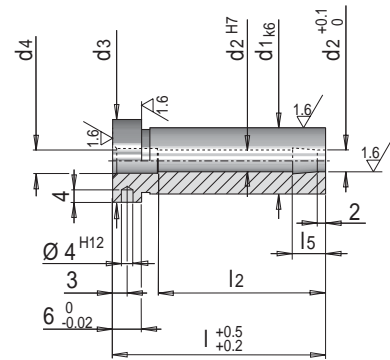
E 1662

Haltebuchse  
lange Führung

retainer bush,  
long guiding

douille arrache-carotte,  
guidage long

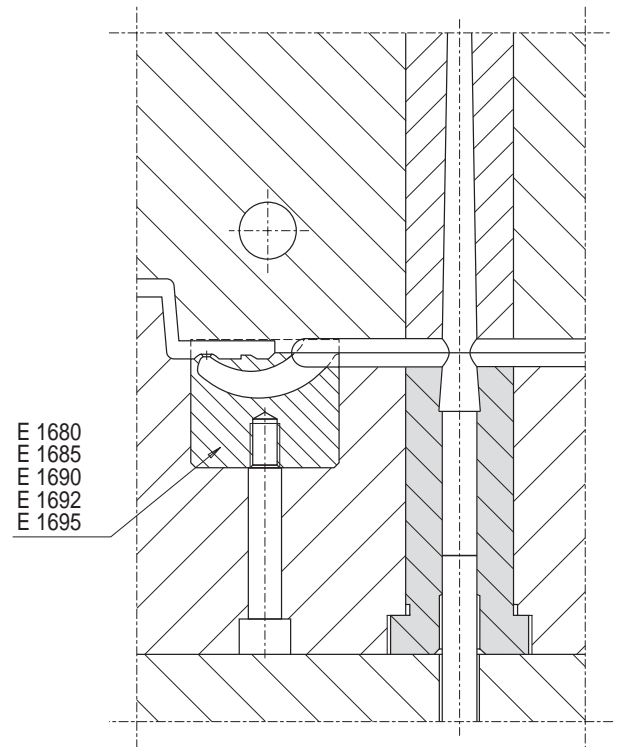
boccola strappa-  
materozza, guida lunga



Mat.: 2826

≈ 58 HRC

l5	l2	d4	d3	d2	d1	l	Nr. /No.	EUR/1
7	36	4.5	16	4	12	36	E 1662/12 x 36	13,70
	46					E 1662/12 x 46	14,90	
	56					E 1662/12 x 56	16,70	
7	36	6.5	22	6	18	36	E 1662/18 x 36	14,60
	46					E 1662/18 x 46	15,30	
	56					E 1662/18 x 56	18,60	
	66					E 1662/18 x 66	21,40	
9.5	46	8.5	28	8	24	46	E 1662/24 x 46	20,30
	56					E 1662/24 x 56	21,40	
	66					E 1662/24 x 66	23,90	



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