



## SINTER SLIDING ELEMENTS

Maximum productivity and  
minimum maintenance costs

# TECHNICAL DETAILS

Sinter wear plates provide ease of maintenance and reliable service. The porous sinter metal layer is bonded to a steel base plate to create maximum sliding durability with high strength backing. These wear plates will require initial lubrication prior to use and after every cleaning.

Maximum speed	<b>70 m/min</b> (after initial lubrication and depending on the PV value)
Working temperature	<b>Maximum 250 °C</b> (depending on the lubricant) For a maximum service life, we recommend an average working temperature of +40 °C to +80 °C
Mating material	<b>Surface finish Rz ≤ 6.3 µm</b> At least 30 HRC harder than the sinter surface (sinter surface 60-100 HB)
Processing	<b>Generally possible</b> (drilling, grinding, cutting, ...)
PV value	<b>Dry: 1.63 N/mm<sup>2</sup> x m/s   Lubricated: 3.5 N/mm<sup>2</sup> x m/s</b>
Material of base plate	<b>Steel – CK45</b> (or equivalent)
Surface pressure	<b>120 N/mm<sup>2</sup> (static)</b>
Coefficient of friction	<b>Dry: 0.2   Lubricated: 0.1</b>
Lubricant	<b>Mobilgear 600XP 150</b>
Lubricant share	<b>15-20 %</b>
Porosity	<b>18-23 %</b>
Sliding direction	<b>length- and cross-wise</b>

**! Do not use any agents with grease removers during cleaning, this can cause lasting damage to the sliding capacity.**

## YOUR ADVANTAGES AT A GLANCE

- » Durable and long service life thanks to the combination of a sinter bronze layer and steel base plate
- » Withstands high pressures required for AHSS and UHSS steel processing
- » High temperature operation, up to 250 °C
- » Cost savings due to less maintenance requirements
- » Standard sizes for ease of replacements when worn
- » Ideal for high speed applications
- » Even surface of the sinter metal layer

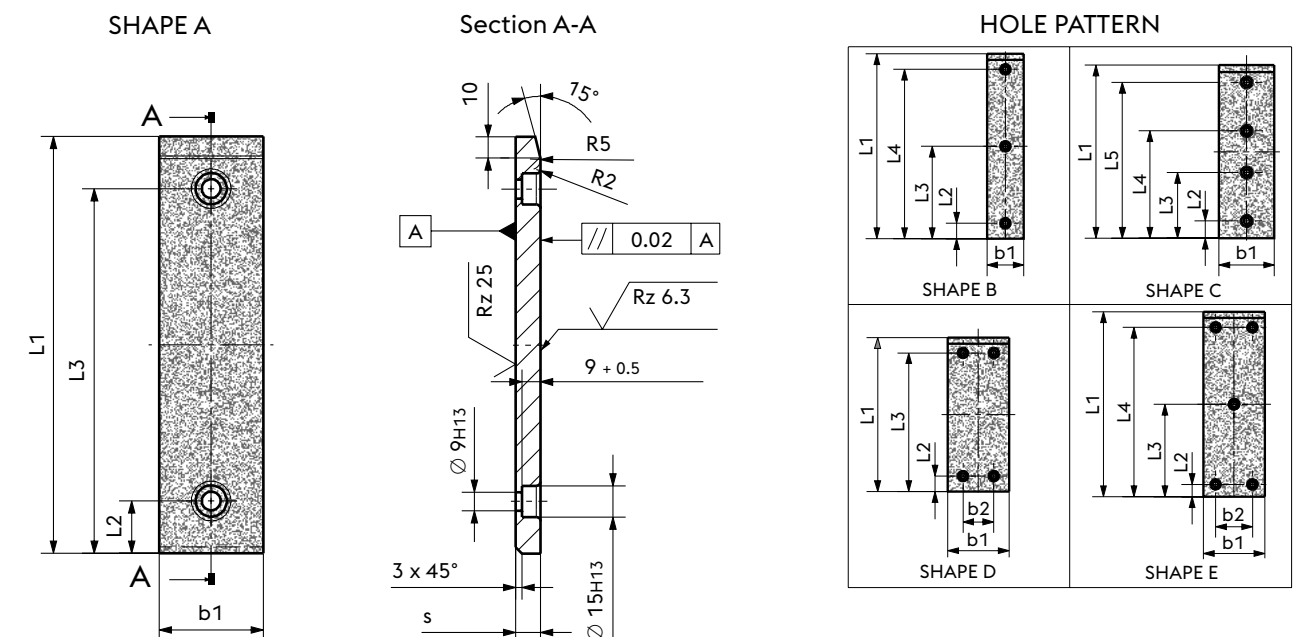
Benefit from the advantages of our original voestalpine Camtec sinter sliding elements! Fast, professional and solution-oriented. The staff at voestalpine Camtec GmbH are here to help you. Ask for more information and advice: [sales.camtec@voestalpine.com](mailto:sales.camtec@voestalpine.com)

# SLIDING PLATES 7.21

12 MM THICK  
TO VDI 3357

Sinter Ident-No.	L1 ± 0.2	b1	s -0.02	L2 ± 0.2	L3 ± 0.2	L4 ± 0.2	L5 ± 0.2	b2 ± 0.2	Form	Cyl. screw DIN EN ISO 4762	Pc.							
63775	160	25	12	25	135	-			A	M8 x 25	2							
63776	200				175	225			-									
63777	250				125													
63778	80	30			55	-												
63779	100				75													
63780	125				100													
63781	160				135													
63782	200				175													
63783	250				125						225							
63784	300	150			275	-			-		B	3						
63785	80	55																
63786	100	40			75	-												
63787	125		100															
63788	160		135															
63789	200		175	-	-		-	A		2								
63790	80		55															
63791	100		75															
63792	125	100	25	25	165	225	-	-	-	-								
63793	160	135																
63794	200	175																
63795	250	85									195	275						
63796	300	105									225	325						
63797	350	125									255	375						
63798	400	145	-	-	-	-	-	-	-	-								
63799	80	55																
63800	100	75																
63801	125	100									-	-	-	-	-	-	-	-
63802	160	135																
63803	200	175																
63804	300	150	275															
63805	80	55																
63806	100	75																
63807	125	100	-	-	-	-	-	-	-	-								
63808	160	135																
63809	200	175									155	225	-	-	-	-	-	-
63810	250	95																
63811	125	100									20	135	-	-	60	-	-	-
63812	160	175																
63813	200	225																
63814	250	20	150	275	-	-	-	-	-	-								
63815	300	135																
63816	160	125	25	135	-	-	110	-	-	-								
63817	160	150									120	-	-	-	-	-	-	-
63818	160	160	135															

Untoleranced dimensions DIN ISO 2768, mean

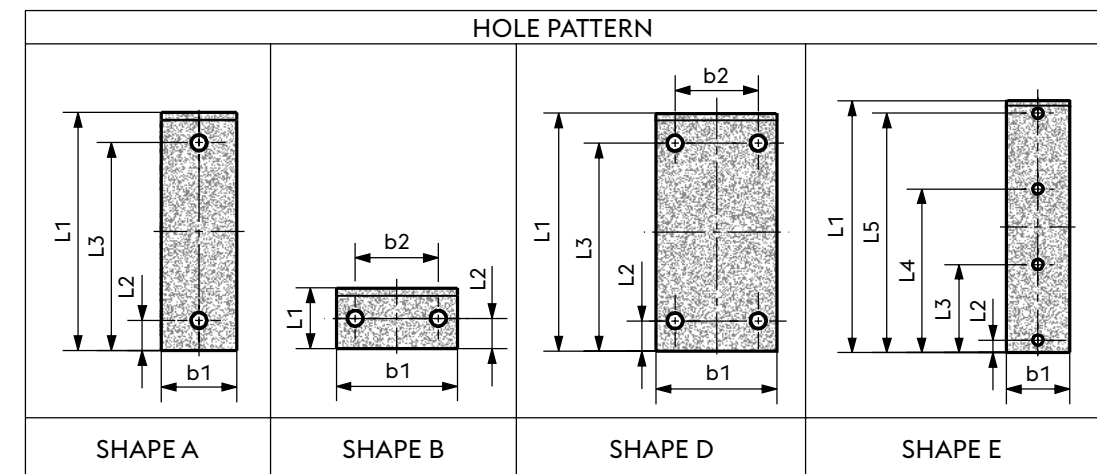
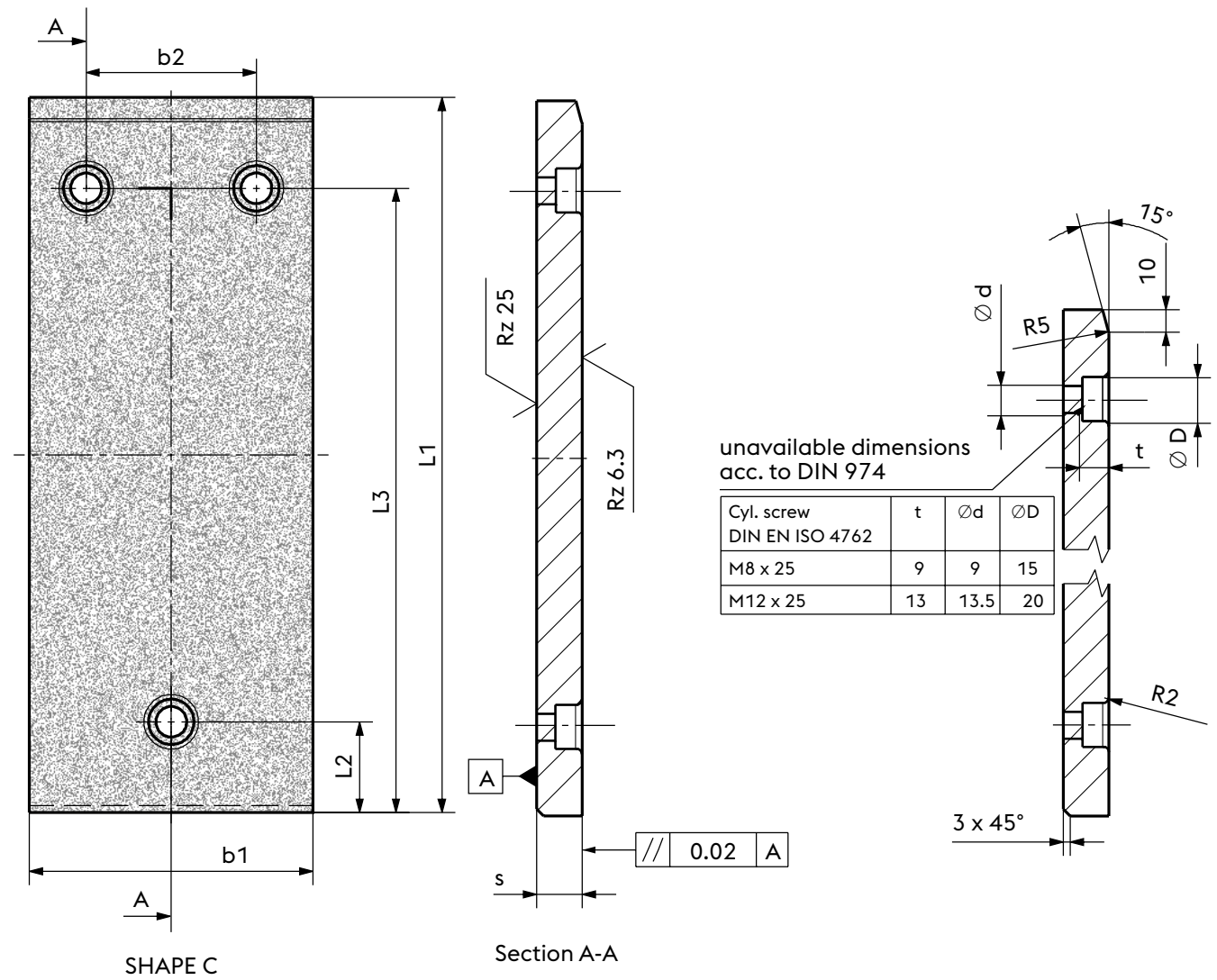


# SLIDING PLATES 7.14

20 MM THICK  
TO VDI 3357

Sinter Ident-No.	L1 ± 0.2	b1	s -0.02	L2 ± 0.2	L3 ± 0.2	L4 ± 0.2	L5 ± 0.2	b2 ± 0.2	Shape	Cyl. screw DIN EN ISO 4762	Pc.		
63717	80	50	20	25	55				A	M8 x 25	2		
63718	100				75						A	M12 x 25	4
63719	125				100						E	M12 x 25	4
63720	160				135						E	M12 x 25	4
63721	200				175						E	M12 x 25	4
63722	250				85	165	225				E	M12 x 25	4
63723	300				105	195	275				E	M12 x 25	4
63724	350				125	225	325				E	M12 x 25	4
63725	400				145	255	375				E	M12 x 25	4
63726	450				165	285	425				E	M12 x 25	4
63727	500	175	325	475				E	M12 x 25	4			
63728	50	80	20	40	-			30	B	M8 x 25	2		
63729	80				55						A	M12 x 25	4
63730	100				75						A	M12 x 25	4
63731	125				100						A	M12 x 25	4
63732	160				135						A	M12 x 25	4
63733	200				175						A	M12 x 25	4
63734	250				210						A	M12 x 25	4
63735	315				275						A	M12 x 25	4
63736	250				85	165	225				E	M12 x 25	4
63737	300				105	195	275				E	M12 x 25	4
63738	350	125	225	325				E	M12 x 25	4			
63739	400	145	255	375				E	M12 x 25	4			
63740	450	165	285	425				E	M12 x 25	4			
63741	500	175	325	475				E	M12 x 25	4			
63742	50	100	20	40	-			50	B	M8 x 25	2		
63743	80				75						A	M12 x 25	4
63744	100				100						A	M12 x 25	4
63745	125				135						A	M12 x 25	4
63746	160				175						A	M12 x 25	4
63747	200				210						A	M12 x 25	4
63748	250				275						A	M12 x 25	4
63749	315				165	285	425				E	M12 x 25	4
63750	450				175	325	475				E	M12 x 25	4
63751	500				85	165	225				E	M12 x 25	4
63820	250	105	195	275				E	M12 x 25	4			
63821	300	125	225	325				E	M12 x 25	4			
63822	350	145	255	375				E	M12 x 25	4			
63823	400	165	285	425				E	M12 x 25	4			
63824	250	85	165	225				E	M12 x 25	4			
63825	300	105	195	275				E	M12 x 25	4			
63826	350	125	225	325				E	M12 x 25	4			
63827	400	145	255	375				E	M12 x 25	4			
63752	50	125	20	40	-			75	B	M8 x 25	2		
63753	80				75						C	M12 x 25	3
63754	100				100						C	M12 x 25	3
63755	125				135						C	M12 x 25	3
63756	160				175						C	M12 x 25	3
63757	200				210						C	M12 x 25	3
63758	250				275						C	M12 x 25	3
63759	315				165	285	425				E	M12 x 25	4
63760	450				175	325	475				E	M12 x 25	4
63761	500				85	165	225				E	M12 x 25	4
63828	250	105	195	275				E	M12 x 25	4			
63829	300	125	225	325				E	M12 x 25	4			
63830	350	145	255	375				E	M12 x 25	4			
63831	400	165	285	425				E	M12 x 25	4			
63832	450	175	325	475				E	M12 x 25	4			
63833	500	-						E	M12 x 25	4			
63762	50	160	20	40	-			110	B	M8 x 25	2		
63763	80				75						C	M12 x 25	3
63764	100				100						C	M12 x 25	3
63765	125				135						C	M12 x 25	3
63766	160				175						C	M12 x 25	3
63767	200				210						C	M12 x 25	3
63768	250				275						C	M12 x 25	3
63769	315				165	285	425				D	M12 x 25	4
											D	M12 x 25	4

Untoleranced dimensions DIN ISO 2768, mean





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