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TOS - Greifersystem






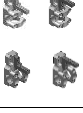
























List of components Komponentenliste		CUSTOMER KUNDE		04.06.2020		
Pos.	Type / Typ	Version - Remarks / Ausführung - Bemerkung	Picture / Bild	Tunkers Item No. / Art. Nr.	Masse / Weight	Material
1	TOS001-0056 bis TOS001-4076 in 30mm Schritten in step width 30mm	8-KT Profile SW60x56mm - 8-KT Profile SW60x4076mm		TOS001-0056 - TOS001-4076	2,8 kg/m	Al
2	TOS002-0056 bis TOS002-4076 in 30mm Schritten in step width 30mm	8-KT Profile SW140xSW60x56mm "EIGHT Beam" - 8-KT Profil SW140xSW60x4076mm "EIGHT Beam"		TOS002-0056 - TOS002-4076	6,0 kg/m	Al
3	TOS 010_SET	Base Plate 450 x 415 x 20 mm Grundplatte 450 x 415 x 20 mm		457605	12 kg	Al
4	TOS 011_SET	Base Plate 570 x 535 x 20 mm Grundplatte 570 x 535 x 20 mm		457606	19 kg	Al
5	TOS 013_SET (TOS002)	TOS 002 Base Plate 570 x 535 x 20 mm Grundplatte 570 x 535 x 20 mm		1248795	19 kg	Al
6	TOS 015_SET	Flange connection SW60 Flanschanbindung SW60		460051	1,4 kg	Al
7	TOS 015_L_SET (TOS 002)	TOS 002 Flange connection SW60 Flanschanbindung SW60		1251566	1,2 kg	Al
8	TOS 021_SET	T-part T-Verbinder		457607	0,71 kg	Al
9	TOS 023_SET	Angle connector (with threads and one pin) Winkelverbinder (mit Gewinden und einem Stift)		457610	0,38 kg	Al
10	TOS 024_SET	Angle connector (one side with through holes, other side with threads) Winkelverbinder (eine Seite mit Durchgangslöcher, andere Seite mit Gewinden)		457611	0,54 kg	Al
11	TOS 025_SET (TOS002)	TOS 002 ATTENTION, not for new designs. Replacement parts: TOS 029R /030R SET Angle connector (with through holes) ACHTUNG, nicht für Neukonstruktionen verwenden. Wird ersetzt durch: TOS 029R/ 030R SET Winkelverbinder (mit Durchgangslöcher)		1251936	1,66 kg	Al
12	TOS 029R SET (TOS002)	TOS 002 Replacement for TOS 025 SET Angle connector (with threads and two pins) R=Repeatability Ersatz für TOS 025 SET Winkelverbinder (mit Gewinden und zwei Stiften) R=Repeatability		1262900	1,8 kg	Al
13	TOS 030R SET (TOS002)	TOS 002 Replacement for TOS 025 SET Angle connector (one side with through holes, other side with threads, per side two pins) R=Repeatability Ersatz für TOS 025 SET Winkelverbinder (eine Seite mit Durchgangslöcher, andere Seite mit Gewinden, je Seite zwei Stifte) R=Repeatability		1262901	1,9 kg	Al
14	TOS 040_SET	Joint_40_40 Kreuzschelle_40_40		457660	0,70 kg	Al
15	TOS 040_L_SET	TOS 002 Joint_40_40 Kreuzschelle_40_40		1251564	0,75 kg	Al
16	TOS 041_SET	Joint_40_LW Schelle_40_LW		457678	0,35 kg	Al
17	TOS 041_L_SET (TOS002)	TOS 002 Joint_40_LW Schelle_40_LW		1251461	0,53 kg	Al
18	TOS 043_SET	Extension_arm_40 (Length 300mm) Ausleger_40 (Länge 300mm)		457708	0,90 kg	Al
19	TOS 043_L_SET (TOS002)	TOS 002 Extension_arm_40 (Length 300mm) Ausleger_40 (Länge 300mm)		1251565	1,00 kg	Al
20	TOS 044_SET	Cross_Joint_25_25 Kreuzschelle_25_25		457661	0,52 kg	Al
21	TOS 044_L_SET (TOS002)	TOS 002 Cross_Joint_25_25 Kreuzschelle_25_25		1251463	0,66 kg	Al
22	TOS 045_SET	Joint_25_LW Schelle_25_LW		457705	0,35 kg	Al
23	TOS 045_L_SET (TOS002)	TOS 002 Joint_25_LW Schelle_25_LW		1251567	0,46 kg	Al
24	TOS 049_SET (TOS002)	TOS 002 90° Anbindung von TOS002 auf TOS001 (Spannstellen, Darstellung mit und ohne 15mm Versatz)		1252257	0,95 kg	Al
25	TOS 100	Fitted bolt Passbolzen		425612	0,07 kg	St
26	TOS 106 (TOS002)	TOS 002 Sleeve Hülse		1218216	0,016 kg	Al
27	TOS 109	Spacer 50x20x4 Distanzhalter 50x20x4		460039	0,023 kg	St
28	TOS 110	Covering cap for TOS_001 Abdeckkappe für TOS_001		460056	0,01 kg	LD-PE
29	M8X165 DIN 912 8.8 VZ (TOS002)	TOS 002 Screw M8X165_DIN_912_8.8_VZ_200244 Zylinderschraube M8X165_DIN_912_8.8_VZ_200244		200244	0,07 kg	St
30	TOS_215	Kabelclips für Medienversorgung Cable Clips for supply cable		1336082	0,002 kg	POLYAMID

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Pos.	Type / Typ	Version - Remarks / Ausführung - Bemerkung	Picture / Bild	Tunkers Item No. / Art. Nr.	Masse / Gewicht	Material
31	GR25-0050 till/bis GR25-3000 in 1 mm Schritten/ in step width 1 mm	Aluminum Rod D25 (max. length 3000 mm) Aluminium Stange D25 (max. Länge 3000 mm)		GR25-0050 - GR25-3000	1,4 kg/m	Al
32	GR40-0100 till/bis GR40-6000 in 1 mm Schritten/ in step width 1 mm	Aluminum Round Tube D40 (max. length 6000 mm) Aluminium Rundrohr D40 (max. Länge 6000 mm)		GR40-0100 - GR40-6000	1,83 kg/m	Al
33	Endkappe für GR40	Covering cap for GR40, yellow Endkappe für GR40, gelb		418125	0,004 kg	LD-PE
34	GRST 25/90	Bent Steel Tube 90° (Standard 300mm/300mm) Gebogenes Stahlrohr 90° (Standard 300mm/300mm)		223871	0,9 kg	St
35	GRW 25/90	Welded Steel Tube 90° (Standard 300mm/300mm) Geschweißter Stahlrohr 90° (Standard 300mm/300mm)		235835	0,9 kg	St
36	GF 40-5	Attachment Base Plate D40 - vertical Anbindung Grundplatte D40- vertikal		215434	0,77 kg	Al
37	GNFA 40	Attachment Base Plate D40 - horizontal Anbindung Grundplatte D40- horizontal		226115	0,54 kg	Al
38	GSKN-25-25_SET	Cross joint 90° Kreuzklemme 90°		470824	0,45 kg	Al
39	GSKN-25-40_SET	Cross joint 90° Kreuzklemme 90°		470825	0,58 kg	Al
40	GSKN-40-40_SET	Cross joint 90° Kreuzklemme 90°		470828	0,71 kg	Al
41	GSKN-25-40_SET_45°	Cross joint 45° Kreuzklemme 45°		470826	0,61 kg	Al
42	SR 25	Scale Ring D25		244294	0,01 kg	Al
43	SR 40	Scale Ring D40		244297	0,01 kg	Al
44	Fixierstift L=30mm	Position Pin D6x30mm (Package unit 100 pieces) Fixierstift D6x30mm (Verpackungseinheit 100 Stück)		471700		PA6 GF30
45	Fixierstift L=40mm	Position Pin D6x40mm (Package unit 100 pieces) Fixierstift D6x40mm (Verpackungsmaterial 100 Stück)		471699		PA6 GF30
46	GNXX 19-25	Cross joint 90° for Sensor/ Vakuum Cup Kreuzklemme 90° für Sensor/ Saugeranbindung		266629	0,08 kg	Al
47	GNXX 25-25	Cross joint 90° for Sensor/ Vakuum Cup Kreuzklemme 90° für Sensor/ Saugeranbindung		240195	0,16 kg	Al
48	GNXX 40-25	Cross joint 90° for Sensor/ Vakuum Cup Kreuzklemme 90° für Sensor/ Saugeranbindung		240196	0,20 kg	Al
49	GNKS 25-25	Cross joint 90° Steel Kreuzklemme 90° Stahl		281279	0,17 kg	St
50	GNKS 25-40	Cross joint 90° Steel Kreuzklemme 90° Stahl		281283	0,27 kg	St
51	GNKS 40-40	Cross joint 90° Steel Kreuzklemme 90° Stahl		281281	0,38 kg	St
52	GT-25-25	T-Joint T-Verbinder		207085	0,31 kg	Al
53	GT-25-40	T-Joint T-Verbinder		207086	0,55 kg	Al
54	GT-40-25	T-Joint T-Verbinder		207088	0,55 kg	Al
55	GT-40-40	T-Joint T-Verbinder		207089	0,76 kg	Al
56	GTS-25-25-300	T-Part, standard length 300mm T-Stück, Standardlänge 300mm		243219	0,56 kg	Al
57	GTS-40-25-300	T-Part, standard length 300mm T-Stück, Standardlänge 300mm		243224	0,78 kg	Al
58	GTS-40-40-300	T-Part, standard length 300mm T-Stück, Standardlänge 300mm		243226	1,03 kg	Al
59	GRC25-0100 till/bis GRC25-3000 in 1 mm Schritten/ in step width 1 mm	Carbon Tube D25 (max. length 3000mm) Carbon Rohr D25 (max. Länge 3000mm)		GRC25-0100 - GRC25-3000	0,33 kg/m	CF
60	GRC40-0100 till/bis GRC40-3000 in 1 mm Schritten/ in step width 1 mm	Carbon Tube D40 (max. length 3000mm) Carbon Rohr D40 (max. Länge 3000mm)		GRC40-0100 - GRC40-3000	0,64 kg/m	CF
61	Endkappe für GRC25	Covering cap for GRC25, yellow Endkappe für GRC25, gelb		418119	0,001 kg	LD-PE
62	Endkappe für GRC40	Covering cap for GRC40, yellow Endkappe für GRC40, gelb		418120	0,004 kg	LD-PE
63	GKC 25-40_1	Carbon Cross joint 90° Carbon Kreuzklemme 90°		255883	0,35 kg	Mix Al/CF

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64	GKC-40-40_1	Carbon Cross joint 90° Carbon Kreuzklemme 90°		255885	0,42 kg	Mix Al/CF
65	GAQ-K40-5_K40.1	Adapter		207114	0,13 kg	Al
66	GAQ-K50-5_K63-5	Adapter, steel version		207115	0,48 kg	St
67	GAQ-AW08	Adapter		220623	0,23 kg	Al
68	GAL-K40	Adapter 120x50x40mm		202374	0,18 kg	Al
69	GAL-K50-K63	Adapter 120x55x48mm		207109	0,20 kg	Al
70	GAQZ-K40	Adapter 40x40mm, D25mm, Length 250mm Adapter 40x40mm, D25mm, Länge 250mm		226593	0,49 kg	Al
71	GAQZ-K50	Adapter 55x46mm, D25mm, Length 200mm Adapter 55x46mm, D25mm, Länge 200mm		226596	0,41 kg	Al
72	GAQZ-40-K40.1-L	Adapter 40x40mm, D25mm, Length 200mm Adapter 40x40mm, D25mm, Länge 200mm		252482	0,47 kg	Al
73	GAQZ-40-K50-L	Adapter 55x46mm, D40mm, Length 200mm Adapter 55x46mm, D40mm, Länge 200mm		252483	0,54 kg	Al
74	GAQZ-K50-S	Adapter 48x46mm, D25mm, Length 200mm Adapter 48x46mm, D25mm, Länge 200mm		244462	0,41 kg	Al
75	GNAK-A00.1 K40 kpl.	Adapter Locator Block		281568	0,17 kg	Al
76	GNAK-A00.2	Adapter Locator Block		281606	0,18 kg	Al
77	GNAK-A00.3	Adapter Locator Block		281612	0,20 kg	Al
78	GNAK-A00.4 K50	Adapter Locator Block		281604	0,22 kg	Al
79	GNAK-A01.1 kpl.	Adapter K 40		281558	0,22 kg	Al
80	GNAK-A01.1 kpl. Stahl	Adapter K 40, steel version		297649	0,61 kg	St
81	GNAK-A01.2 K50	Adapter K 50		281593	0,24 kg	Al
82	GNAK-A10-K40.1-K40 kpl.	Adapter K 40.1		281552	0,25 kg	Al
83	GNAK-A10-K40.1 kpl. Stahl	Adapter K 40.1, steel version		297645	0,69 kg	St
84	GNAK-A10-S-K40.1 kpl.	Adapter K 40		281605	0,47 kg	Al
85	GNAK-A10-S-K40.1 kpl. Stahl	Adapter K 40, steel version		281647	1,05 kg	St
86	GNAK-A10-K50 kpl.	Adapter K 50		281569	0,33 kg	Al
87	GNAK-A10-K50 kpl. Stahl	Adapter K 50, steel version		281653	0,83 kg	St
88	GNAK-A11-K40.1 kpl.	Adapter K40, 107x58x50mm		229858	0,18 kg	Al
89	GNAK-A11-K40.1 kpl. Stahl	Adapter K40, 107x58x50mm, steel version		250491		St
90	GNAK-A11-K50 kpl.	Adapter K 50		229862	0,29 kg	Al
91	GNAK-A32-K40.1 K40	Adapter K40, 72x65x50mm		229856	0,20 kg	Al
92	GNAK-A32-K50	Adapter K50, 92x74x68mm		229871	0,30 kg	Al
93	GNAK-A33-K40.1 K40	Adapter K 40		281713	0,25 kg	Al
94	GNAK-A33-K40.1 Stahl	Adapter K 40, steel version		297642	0,56 kg	St
95	GNAK-A33-K50 kpl.	Adapter K 50		281758	0,42 kg	Al
96	GNAK-A33-K50 Stahl	Adapter K 50, steel version		297647	1,06 kg	St
97	GNAK_40_40_AF_A-B_0_SET	Adapter V40.5/50/63 without angle / ohne Stahlwinkel Lieferung als Montageset / Delivery as assembly set A = senkrechte Anbindung / vertical connection B = waagerechte Anbindung / horizontal connection		1261741	0,80 kg	Al

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98	GNAK_40_40_AF_A-B_1-2_SET	Adapter V40.5 Lieferung als Montageset / Delivery as assembly set A = senkrechte Anbindung / vertical connection B = waagerechte Anbindung / horizontal connection 0 = ohne Winkel / without angle 1 = Winkel unten / angle below 2 = Winkel oben / angle at top		1261739	1,10 kg	Mix Al/St
99	GNAK_40_40_AF_A-B_1-2_XY_SET	Adapter V40.5/50/63 with shim block / mit Shim-Paket Lieferung als Montageset / Delivery as assembly set A = senkrechte Anbindung / vertical connection B = waagerechte Anbindung / horizontal connection 0 = ohne Winkel / without angle 1 = Winkel unten / angle below 2 = Winkel oben / angle at top		1261740	1,20 kg	Mix Al/St
100	GNAK_40_A-B_0_SET	Adapter V40 without angle / ohne Stahlwinkel Lieferung als Montageset / Delivery as assembly set A = senkrechte Anbindung / vertical connection B = waagerechte Anbindung / horizontal connection		1261744	0,60 kg	Al
101	GNAK_40_A-B_1-2_SET	Adapter V40 Lieferung als Montageset / Delivery as assembly set A = senkrechte Anbindung / vertical connection B = waagerechte Anbindung / horizontal connection 0 = ohne Winkel / without angle 1 = Winkel unten / angle below 2 = Winkel oben / angle at top		1261743	0,80 kg	Mix Al/St
102	GNN-B	Adapter GNXX 19-25 to (Sensor) Holder Adapter GNXX 19-25 zu (Sensor) Halter		243998	0,08 kg	Al
103	GNN 18	Adapter GNXX 19-25 to (Sensor) Holder D19 Adapter GNXX 19-25 zu (Sensor)-Halter D19		243517	0,11 kg	Al
104	GNN 24	Adapter GNXX 19-25 to (Sensor) Holder D25 Adapter GNXX 19-25 zu (Sensor) Halter D25		243516	0,11 kg	Al
105	GNN 30	Adapter GNXX 19-25 to (Sensor) Holder D31 Adapter GNXX 19-25 zu (Sensor) Halter D31		243518	0,11 kg	Al
106	GNN 36	Adapter GNXX 19-25 to (Sensor) Holder D37 Adapter GNXX 19-25 zu (Sensor) Halter D37		243515	0,10 kg	Al
107	GN 18	Adapter GNXX 19-25 to Vacuum Cup D31 Adapter GNXX 19-25 zu Vakuumsauger D31		207362	0,12 kg	Al
108	GN 30	Adapter GNXX 19-25 to Vacuum Cup D19 Adapter GNXX 19-25 zu Vakuumsauger D19		207101	0,11 kg	Al
109	VH-19-LANG-G1/4	Bracket for Vakuum Cup Winkel für Saugeranbindung		232543	0,10 kg	Al
110	VH-19-LANG-G3/8	Bracket for Vakuum Cup Winkel für Saugeranbindung		232544	0,10 kg	Al
111	GAW-A10	Mounting Bracket 50x40x25mm Befestigungswinkel 50x40x25mm		221218	0,13 kg	Al
112	GAW-A11	Mounting Bracket 40x40x25mm Befestigungswinkel 40x40x25mm		219632	0,10 kg	Al
113	GAW-A13	Mounting Bracket 65x40x20mm Befestigungswinkel 65x40x20mm		230166	0,13 kg	Al
114	GAW-A14	Mounting Bracket 50x50x25mm Befestigungswinkel 50x50x25mm		232449	0,13 kg	Al
115	GAZ-A10-16	Adapter Locating Pin (D16mm), 75x45x25mm Halter Zentrierstift (D16mm), 75x45x25mm		221215	0,10 kg	Al
116	GAZ-A11-08	Adapter Locating Pin (D8mm), 70x45x25mm Halter Zentrierstift (D8mm), 70x45x25mm		219634		Al
117	GAZ-A11-10	Adapter Locating Pin (D10mm), 70x45x25mm Halter Zentrierstift (D10mm), 70x45x25mm		241645	0,13 kg	Al
118	GAZ-A11-16	Adapter Locating Pin (D16mm), 66x45x25mm Halter Zentrierstift (D16mm), 66x45x25mm		219635	0,11 kg	Al
119	GAZ-A13-12	Adapter Locating Pin (D12mm), 94x45x25mm Halter Zentrierstift (D12mm), 94x45x25mm		290791	0,13 kg	Al
120	GAZ-A13-16	Adapter Locating Pin (D16mm), 95x45x25mm Halter Zentrierstift (D16mm), 95x45x25mm		230167	0,13 kg	Al
121	GRE-1000-250	Rough Locator Einweiser		207097		Mix
122	KSKP 25	Attachment Mounting Plate Anbindung Ventilplatte		240335	0,14 kg	Al
123	KSKP 40	Attachment Mounting Plate Anbindung Ventilplatte		240336	0,19 kg	Al
124	VEP-H1-L1-B1	Customer Design H1: 5 - 10mm L1: max.: 700mm B1 max.: 500mm				Al
125	S 25.3	Standard Clip D25 Standard Klemmschelle D25		470821	0,04 kg	Al




















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126	S 40.3	Standard Clip D40 Standard Klemmschelle D40		470822	0,06 kg	Al
127	AW 01-D6.6-D6.6-Al	AW 01 in Aluminum // Mounting bracket 57x57x16mm // D6.6-D6.6		219226	0,06 kg	Al
128	AW 01-M6-D6.6-Al	AW 01 in Aluminum // Mounting bracket 57x57x16mm // M6-D6.6		242889	0,06 kg	Al
129	AW 01-M6-M6-Al	AW 01 in Aluminum // Mounting bracket 57x57x16mm // M6-M6		242890	0,06 kg	Al
130	AW 01-D6.6-D6.6-St	AW 01 in Steel // Mounting bracket // 57x57x16mm // D6.6-D6.6 // black finished		232535	0,17 kg	St
131	AW 01-M6-D6.6-St	AW 01 in Steel // Mounting bracket // 57x57x16mm // M6-D6.6 // black finished		242892	0,17 kg	St
132	AW 01-M6-M6-St	AW 01 in Steel // Mounting bracket // 57x57x16mm // M6-M6 // black finished		242893	0,17 kg	St
133	AW 02-Al	AW 02 in Aluminum // Mounting bracket // 67x67x16mm // D6.6-D6.6		219227	0,07 kg	Al
134	AW 02-St	AW 02 in Steel // Mounting bracket // 67x67x16mm // D6.6-D6.6 // black finished		232536	0,19 kg	St
135	AW 03-D9-D9-Al	AW 03 in Aluminum // Mounting bracket 67x67x16mm // D9-D9		238439	0,08 kg	Al
136	AW 03-M8-D9-Al	AW 03 in Aluminum // Mounting bracket 67x67x16mm // D9-M8		238441	0,08 kg	Al
137	AW 03-M8-M8-Al	AW 03 in Aluminum // Mounting bracket 67x67x16mm // M8-M8		238440	0,08 kg	Al
138	AW 03-D9-D9-St	AW 03 in Steel // Mounting bracket 67x67x16mm // D9-D9 // black finished		220936	0,23 kg	St
139	AW 03-M8-D9-St	AW 03 in Steel // Mounting bracket 67x67x16mm // M8-D9 // black finished		232448	0,23 kg	St
140	AW 03-M8-M8-St	AW 03 in Steel // Mounting bracket 67x67x16mm // M8-M8 black finished		232447	0,23 kg	St
141	AW 04-D9-D9-Al	AW 04 in Aluminum // Mounting bracket 87x87x20mm // D9-D9		240145	0,14 kg	Al
142	AW 04-M8-D9-Al	AW 04 in Aluminum // Mounting bracket 87x87x20mm // M8-D9		246724	0,14 kg	Al
143	AW 04-M8-M8-Al	AW 04 in Aluminum // Mounting bracket 87x87x20mm // M8-M8		244720	0,14 kg	Al
144	AW 04-D9-D9-St	AW 04 in Steel // Mounting bracket 87x87x20mm // D9-D9 // black finished		220937	0,46 kg	St
145	AW 04-M8-D9-St	AW 04 in Steel // Mounting bracket 87x87x20mm // M8-D9 // black finished		246723	0,46 kg	St
146	AW 04-M8-M8-St	AW 04 in Steel // Mounting bracket 87x87x20mm // M8-M8 // black finished		244719	0,46 kg	St
147	AW 13-M6-D6H7-D6H7-M6-Al	AW 13 in Aluminum // Mounting bracket 67x67x16mm // M6-D6H7-D6H7-M6		242189	0,07 kg	Al
148	AW 13-M6-D6H7-D6H7-D7-Al	AW 13 in Aluminum // Mounting bracket 67x67x16mm // M6-D6H7-D6H7-D7		242190	0,07 kg	Al
149	AW 13-D7-D6H7-D6H7-D7-Al	AW 13 in Aluminum // Mounting bracket 67x67x16mm // D7-D6H7-D6H7-D7		242191	0,07 kg	Al
150	AW 13-D6H7-M6-M6-D6H7-Al	AW 13 in Aluminum // Mounting bracket 67x67x16mm // D6H7-M6-M6-D6H7-D7		242192	0,07 kg	Al
151	AW 13-M6-D6H7-D6H7-M6-St	AW 13 in Steel // Mounting bracket 67x67x16mm // M6-D6H7-D6H7-M6 // black finished		242143	0,21 kg	St
152	AW 13-M6-D6H7-D6H7-D7-St	AW 13 in Steel // Mounting bracket 67x67x16mm // M6-D6H7-D6H7-D7 // black finished		242144	0,21 kg	St
153	AW 13-D7-D6H7-D6H7-D7-St	AW 13 in Steel // Mounting bracket 67x67x16mm // D7-D6H7-D6H7-D7 // black finished		242145	0,21 kg	St
154	AW 13-D6H7-M6-M6-D6H7-St	AW 13 in Steel // Mounting bracket 67x67x16mm // D6H7-M6-M6-D6H7 // black finished		220944	0,21 kg	St
155	AW 08-D9-D9-Al	AW 08 in Aluminum // Mounting bracket 70x70x50mm // D9-D9		222038	0,15 kg	Al
156	AW 08-M8-D9-Al	AW 08 in Aluminum // Mounting bracket 70x70x50mm // M8-D9		223187	0,15 kg	Al
157	AW 08-M8-M8-Al	AW 08 in Aluminum // Mounting bracket 70x70x50mm // M8-M8		222039	0,15 kg	Al
158	AW 08-D9-D9-St	AW 08 in Steel // Mounting bracket 70x70x50mm // D9-D9 // black finished		220947	0,49 kg	St
159	AW 08-M8-D9-St	AW 08 in Steel // Mounting bracket 70x70x50mm // M8-D9 // black finished		223186	0,49 kg	St

TOS - Gripper System  
TOS - Greifersystem



List of components Komponentenliste			CUSTOMER KUNDE		04.06.2020	
Pos.	Type / Typ	Version - Remarks / Ausführung - Bemerkung	Picture / Bild	Tunkers Item No. / Art. Nr.	Masse / Weight	Material
160	AW 08-M8-M8_St	AW 08 in Steel // Mounting bracket 70x70x50mm // M8-M8 // black finished		220948	0,49 kg	St
161	AW 09-D9-D9_AI	AW 09 in Aluminum // Mounting bracket 70x70x50mm // D9-D9		222040	0,15 kg	Al
162	AW 09-M8-D9_AI	AW 09 in Aluminum // Mounting bracket 70x70x50mm // M8-D9		223183	0,15 kg	Al
163	AW 09-M8-M8_AI	AW 09 in Aluminum // Mounting bracket 70x70x50mm // M8-M8		222041	0,15 kg	Al
164	AW 09-D9-M8_AI	AW 09 in Aluminum // Mounting bracket 70x70x50mm // M8-D9		223181	0,15 kg	Al
165	AW 09-D9-D9_St	AW 09 in Steel // Mounting bracket 70x70x50mm // D9-D9 // black finished		220949	0,49 kg	St
166	AW 09-M8-D9_St	AW 09 in Steel // Mounting bracket 70x70x50mm // M8-D9 // black finished		223182	0,49 kg	St
167	AW 09-M8-M8_St	AW 09 in Steel // Mounting bracket 70x70x50mm // M8-M8 // black finished		220950	0,49 kg	St
168	AW 09-D9-M8_St	AW 09 in Steel // Mounting bracket 70x70x50mm // D9-M8 // black finished		223180	0,49 kg	St
169	ABSTIMMPAKET_35X15mm	Shim pack 35x15mm 3er with 10 mm distance (2 x 0,5 + 2 x 1 + 1 x 2mm)		398498	0,004 kg	St
170	ABSTIMMPAKET_45X15mm	Shim pack 45x15mm 4er with 10 mm distance (2 x 0,5 + 2 x 1 + 1 x 2mm)		295674	0,004 kg	St
171	ABSTIMMPAKET_50X20mm	Shim pack 50x20mm 3er with 15 mm Distance (2 x 0,5 + 2 x 1 + 1 x 2mm)		398497	0,004 kg	St
172	ABSTIMMPAKET_50X50mm	Shim pack 50x50mm 3er with 15 mm distance (2 x 0,5 + 2 x 1 + 1 x 2mm)		257627	0,052 kg	St
173	ABSTIMMPAKET_65X20mm	Shim pack 65x20mm 4er with 10 mm distance (2 x 0,5 + 2 x 1 + 1 x 2mm)		295736	0,004 kg	St
174	S-MET_3_10	Define shim 35 x 15 x 5,0mm 3er with 10 mm Distance		245166	0,016 kg	St
175	S-MET_4_10	Define shim 45 x 15 x 5,0mm 4er with 10 mm Distance		245167	0,019 kg	St
176	S-MET_3_15	Define shim 50 x 20 x 5mm 3er with 15 mm Distance		245168	0,032 kg	St
177	S-MET_4_15	Define shim 65 x 20 x 5,0mm 4er with 15 mm Distance		245169	0,039 kg	St
178	AP 02	Adjust plate 54 x 48 x 5mm VPE = 25 piece		260475	0,088 kg / Piece 0,088 kg / Stück	St