

SPARE PART CATALOGUE TOOLING

ERSATZTEILKATALOG WERKZEUG

2025-12-17

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Bitte beachten Sie, dass einzelne Artikel von den Abbildungen abweichen können. Technische Änderungen sind vorbehalten.

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1. Auxiliary materials / Hilfsstoffe

1.1 Adhesives, silicone / Kleber, Silikon



101575
adhesive Staloc 6S38.050 high strength
Kleber STALOC 6S38.050 hochfest, 50ml



170460
silicone 450, 310ml colour bermuda
Silikon 450, 310ml Farbe Bermuda



170461
silicone 450, 310ml colour black
Silikon 450, 310ml Farbe Schwarz



170459
silicone 450, 310ml colour crocus
Silikon 450, 310ml Farbe Crocus



170458
silicone 450, 310ml colour grey
Silikon 450, 310ml Farbe Grau



170462
silicone 450, 310ml colour red
Silikon 450, 310ml Farbe Feuerrot



170463
silicone 450, 310ml colour yellow
Silikon 450, 310ml Farbe Sonnengelb



106615
thread sealant Diflex 60 (tube 200g)
Kleber Omnifit SEAL50H 50 ml

1.2 Oils, lubricants / Öle, Schmiermittel



165201
grease 1000, 100 g
Schraubenfettpaste MOLYKOTE 1000 100g



175057
grease OKS270 250g
Schraubenfettpaste OKS270 250g Dose weiß

1.3 Surface treatment / Oberflächenbehandlung



103409
abrasive paper, 25mm x 50m P120
Schleifleinen 25x50m K120



103410
abrasive paper, 25mm x 50m P180
Schleifleinen 25x50m K180



103411
abrasive paper, 25mm x 50m P240
Schleifleinen 25x50m K240



103412
abrasive paper, 25mm x 50m P320
Schleifleinen 25x50m K320



103413
abrasive paper, 25mm x 50m P400
Schleifleinen 25x50m K400



106302
abrasive paper, 25mm x 50m P600
Schleifleinen 25x50m K600



103408
abrasive paper, 25mm x 50m P80
Schleifleinen 25x50m K 80



106986
abrasive paper, 25mm x 50m P80
Schleifleinen 25x50m K800



103390
abrasive paper, 50mm x 50m P180
Schleifleinen 50x50m K180



103391
abrasive paper, 50mm x 50m P240
Schleifleinen 50x50m K240



103392
abrasive paper, 50mm x 50m P320
Schleifleinen 50x50m K320



103394
abrasive paper, 50mm x 50m P400
Schleifleinen 50x50m K400



103420
abrasive paper, 50mm x 50m P600
Schleifleinen 50x50m K600



103393
abrasive paper, 50mm x 50m P80
Schleifleinen 50x50m K 80



162142
cylindrical brush Ø10 mm
Zylinderbürste GET.LOCK ø10



162430
emery paper 691 ASIC 1000
Schleifpapier 230x280 K1000 691 AIOX



162431
emery paper 991 ASIC 2000
Schleifpapier 230x280 P2000 991A SIC



162116
honning tool BC10
Honbürste GET.LOCK Type BC ø10 SIC K180

2. Connecting parts and fittings / Anschlusssteile und Fittinge

2.1 ABA fittings / ABA-Fittinge



100833
ABA female connector 1"
Steckdose ABA 1"x 31 MS



100212
ABA female connector 3/4" IG brass
Steckdose ABA 3/4"x 30 MS



161242
ABA male connector 1"
Stecker ABA 1"x 39 MS



105473
ABA male connector 1/2" 10081.004.2
Stecker ABA 1/2"x 33,5 MS



105474
ABA male connector 1/4"
Stecker ABA 1/4"x 31,5 MS



167217
ABA male connector 3/4"
Stecker ABA 3/4"x 41,5 MS 1" Anschluss



176797
ABA male connector 3/4"
Stecker ABA 3/4" MS 1/2" Anschluss



105475
ABA male connector 3/8" 10081
Stecker ABA 3/8"x 32,5 MS



109112
ABA male connector 43 lg ø13 hose nipple
Stecker ABA 43 lg ø13 Schlauchnippel MS



100475
ABA male hose connector 1"
Stecker ABA 1"x25 ohne Bund MS

2.2 Extensions / Verlängerungen



161590
PCE extension ø10x173 M8
Verlängerung PT.PCE ø 10x173



164479
Verlängerung ø 8x30 SO-Ausgang M7
Verlängerung ø 8x30 SO-Ausgang M7



102862
extension 1/2" x 30 brass 263
Verlängerung 1/2"x 30 MS58



102852
extension 1/4" x 27 mm
Verlängerung 1/4"x 27 MS58 vern.



167631
extension 1/4" x 43 mm
Verlängerung 1/4"x 43 MS58 vern.



102857
extension 1/8" x 16 mm
Verlängerung 1/8"x 16 MS58 vern.



102855
extension 1/8" x 36 mm
Verlängerung 1/8"x 36 MS58 vern.



161189
extension M5 for special cooling exit
Verlängerung ø 8x30 SO-Ausgang M5



163007
extension brass 3/4" x 25 mm
Verlängerung 3/4"x 25 MS58



163983
extension brass 3/4" x 30 mm
Verlängerung 3/4"x 30 MS58



102853
extension brass 3/8" x 15 mm
Verlängerung 3/8"x 15 MS58



169583
extension brass 3/8" x 15 mm key 19 mm
Verlängerung 3/8" X15MM MS SW19



102854
extension brass 3/8" x 30 mm
Verlängerung 3/8"x 30 MS58



169582
extension brass 3/8" x 30 mm key 19 mm
Verlängerung 3/8" X30MM MS SW19



167692
extension brass 3/8" x 40 mm
Verlängerung 3/8"x 40 MS58

2.3 Grommets / Tüllen



100231
ABA hose connector 3/4" x 19
Schlauchtülle ABA 3/4"x 36 lø19 MS



100228
ABA hose connector 3/4"x13
Schlauchtülle ABA 3/4"x 13 lø13 MS



171074
hose clip 1" - ø27
Schlauchtülle 1"x 61 ø27 MS



163064
hose clip 3/4" - ø25
Schlauchtülle 3/4"x 49 lø25 MS vern.



162034
hose connector 1" - ø25 MS
Schlauchtülle 1"x 50 ø25 MS

2.4 Reductions / Reduktionen



102843
reduction ext.thread 1/4", int.thr. 1/8"
Reduzierung 1/4"-1/8" AG/IG MS vern.



102842
reduction ext.thread 1/8", int.thr. 1/4"
Reduzierung 1/8"-1/4" AG/IG MS vern.

2.5 Screw-in fittings / Einschraubverschraubungen



167031
cooling outlet Ø12x23 for tube 6 mm
Einhand Kupplungen Ø12x23 6er Schlauch



161180
elbow fitting 8-1/8" with sealing ring
Steckverschr. Winkel G 1/8"-ø 8 drehbar



107090
elbow fitting 10/8-1/4" with seal
Steckverschr. Winkel G 1/4"-ø10 drehbar



102407
elbow fitting 12-1/4" with sealing ring
Steckverschr. Winkel G 1/4"-ø12 drehb SR



161181
elbow fitting 12-3/8" with sealing ring
Steckverschr. Winkel G 3/8"-ø12 drehbar



107076
elbow fitting M5 for tube ø6 mm
Steckverschr. Winkel M 5-ø 6 drehbar



163078
elbow fitting short 10-3/8" with seal
Steckverschr. Winkel G 3/8"-ø10 drehbar



102858
elbow fitting ø4 mm, plastic
Steckverschr. Winkel Schlauch Ø 4 Kunsts



102856
elbow fitting ø5 mm, plastic
Steckverschr. Winkel Schlauch Ø 5 Kunsts



102859
elbow fitting ø8 mm, plastic
Steckverschr. Winkel Schlauch Ø 8 Kunsts



173542
straight pipe fitting 1/8 - ø10
Steckverschr. G 1/8"-ø10 SW17 MS vern.



107092
straight pipe fitting 10/8-1/4 with seal
Steckverschr. G 1/4"-ø10 SW17 MS vern.



161178
straight pipe fitting 12-3/8 with seal
Steckverschr. G 3/8"-ø12 SW19 MS vern.



161176
straight pipe fitting 6-1/8 with seal
Steckverschr. G 1/8"-ø 6 SW12 MS vern.



161177
straight pipe fitting 8-1/8 with seal
Steckverschr. G 1/8"-ø 8 SW14 MS vern.



168957
straight pipe fitting M6 for tube ø6 mm
Steckverschr. M 6-ø 6 SW12 MS vern.



102404
straight pipe fitting R1/2" ø12 mm
Steckverschr. G 1/2"-ø12 SW22 MS vern.



102403
straight pipe fitting R1/4" ø12 mm
Steckverschr. G 1/4"-ø12 SW19 MS vern.SR



102005
straight pipe fitting R1/4", ø4 mm
Steckverschr. R 1/4" - Ø4 Schlauch Kunst



102006
straight pipe fitting R1/4", ø5 mm
Steckverschr. R 1/4" - Ø5 Schlauch Kunst



166631
straight pipe fitting R1/4", ø8 mm
Steckverschr. G 1/4"-ø 8 IG SW15 MS vern



102690

102690

straight pipe fitting R1/4", ø8 mm

Steckverschr. G 1/4"-ø 8 SW14 MS vern.SR

2.6 Sockets and couplings / Stutzen und Muffen



170371

170371

connecting piece RT ø60x56 A60 I50 2Z

Absaugstutzen RT ø60x56 A60 I50 2Z



172940

172940

connecting piece RTø50x60 I39 Rd48x1-6ZV

Absaugstutzen RT ø50x 60 I39 Rd48x1-6Z V



173941

173941

connecting piece RTø50x60 I39 Rd48x1-6Zb

Absaugstutzen RT ø50x 60 I39 Rd48x1-6Zsc



172939

172939

connecting piece RTø60x60 I50 Rd60x1-6ZV

Absaugstutzen RT ø60x 60 I50 Rd60x1-6Z V



173940

173940

connecting piece RTø60x60 I50 Rd60x1-6Zb

Absaugstutzen RT ø60x 60 I50 Rd60x1-6Zsc



175723

175723

connecting piece RTø60x60 I50 Rd60x1-6Zg

Absaugstutzen RT ø60x 60 I50 Rd60x1-6Z g



162324

connecting piece ø48x28 O48 I30 6/4 DS

Absaugstutzen ECO ø48x28 A48 I30 6/4 DS



107143

107143

connecting piece ø50x63 O50 I12 6/4Z

Absaugstutzen ECO ø50x63 A50 I12 6/4Z



161236

161236
connecting piece $\varnothing 50 \times 63$ O50 I20 6/4Z
Absaugstutzen ECO $\varnothing 50 \times 63$ A50 I20 6/4Z

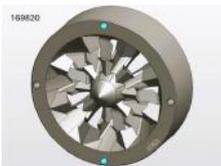


102838

102838
sleeve 1/4"
Muffe 1/4" x 19 A \varnothing 14 MS vern.

3. Die parts / Düsentteile

3.1 Breaker plates / Brecherplatten



169820

169820
mixer plate $\varnothing 100 \times 30 \times l\varnothing 80$
Kreuzmischer $\varnothing 100 \times 30 \times l\varnothing 80$ K05 wtl



178562

178562
mixer plate $\varnothing 90 \times 25 \times l\varnothing 70$
Kreuzmischer $\varnothing 90 \times 25 \times l\varnothing 70$ K14



169112

169112
mixing element ME 110_80_40
Mischelement Me 110_80_40



176634

176634
mixing element ME 120_80_40
Mischelement Me 120_80_40

3.2 Clamping parts / Aufspannteile



104327

104327
stud M20 x 100 mm
Stiftschraube M20xGL100 DIN6379 8.8



102995
stud M20 x 120 mm
Stiftschraube M20xGL120 DIN6379 8.8



102997
stud M20 x 80 mm
Stiftschraube M20xGL 80 DIN938 8.8

3.3 Die insert plates / Düseneinsatzplatten



162583
die insert plate 1,02 x 95x240
Düseneinsatzplatte 1,02x 95x240



163246
die insert plate 1,22 x 95x240
Düseneinsatzplatte 1,22x 95x240



163247
die insert plate 1,52 x 95x240
Düseneinsatzplatte 1,52x 95x240



163248
die insert plate 1,62 x 95x240
Düseneinsatzplatte 1,62x 95x240



167023
die insert plate 10,0 x 200x240
Düseneinsatzplatte 10x200x240



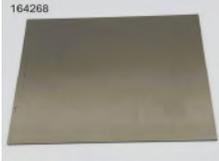
162587
die insert plate 10,02 x 95x240
Düseneinsatzplatte 10,02x 95x240



168988
die insert plate 12 x 150x240
Düseneinsatzplatte 12x 150x240



162588
die insert plate 15,02 x 95x240
Düseneinsatzplatte 15,02x 95x240



164268
die insert plate 2,0 x 200x240
Düseneinsatzplatte 2x200x240



162584
die insert plate 2,02 x 95x240
Düseneinsatzplatte 2,02x 95x240



164269
die insert plate 2,5 x 200x240
Düseneinsatzplatte 2,5x200x240



163249
die insert plate 2,52 x 95x240
Düseneinsatzplatte 2,52x 95x240



164270
die insert plate 3,0 x 200x240
Düseneinsatzplatte 3x200x240



163250
die insert plate 3,02 x 95x240
Düseneinsatzplatte 3,02x 95x240



175934
die insert plate 3,52 x 95x240
Düseneinsatzplatte 3,52x 95x240



164271
die insert plate 4,0 x 200x240
Düseneinsatzplatte 4x200x240



162585
die insert plate 4,02 x 95x240
Düseneinsatzplatte 4,02x 95x240



175933
die insert plate 4,52 x 95x240
Düseneinsatzplatte 4,52x 95x240



164272
die insert plate 5,0 x 200x240
Düseneinsatzplatte 5x200x240



163251
die insert plate 5,02 x 95x240
Düseneinsatzplatte 5,02x 95x240



174372
die insert plate 6,02 x 150x300
Düseneinsatzplatte 6,02x150x300



162524
die insert plate 6,02 x 95x240
Düseneinsatzplatte 6,02x 95x240 gebohrt



163252
die insert plate 6,02, 200x240
Düseneinsatzplatte 6,02x200x240 gebohrt



168431
die insert plate 7,02 x 95x240
Düseneinsatzplatte 7,02x 95x240



169206
die insert plate 8,0 x 200x240
Düseneinsatzplatte 8x200x240



162586
die insert plate 8,02 x 95x240
Düseneinsatzplatte 8,02x 95x240

3.4 Heating parts / Heizungsteile



101175
Y-block 120_0 for cross head
Y-Verteiler PT.PCE ø120x100



161217
Y-block120_1 for clamping flange
Y-Verteiler PT.PCE ø120x125 Klappf

3.5 Special Mounting Parts / Befestigungsteile Spezial



178966
knurled screw RT M8x48
Rändelschraube RT M8x48



167658
sleeve Oø4 x lø3 x 6 mm 120° hard.
Hülse Aø4,0 x lø3 x 6mm 120° Tx 60HRC



167841
sleeve Oø5,5 x lø3 x 6 mm hard.
Hülse Aø5,5 x lø3 x 6mm gerade 60HRC

4. Drills, countersinks / Bohrer, Senker

4.1 Countersinks / Senker



101496
taper milling cutter ø20,5
Senker Kegel 90° ø 20,5 DS=10 HSS TIN

4.2 Twist drills / Spiralbohrer



103122
twist drill 338-605 \varnothing 1,0
Spibo \varnothing 1,0 SL= 12 GL= 34 DIN 338 HSCO



103127
twist drill 338-605 \varnothing 1,5
Spibo \varnothing 1,5 SL= 18 GL= 40 DIN 338 HSCO



103132
twist drill 338-605 \varnothing 2,0
Spibo \varnothing 2,0 SL= 24 GL= 49 DIN 338 HSCO



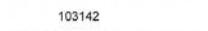
103137
twist drill 338-605 \varnothing 2,5
Spibo \varnothing 2,5 SL= 30 GL= 57 DIN 338 HSCO



103140
twist drill 338-605 \varnothing 2,8
Spibo \varnothing 2,8 SL= 33 GL= 61 DIN 338 HSCO



103141
twist drill 338-605 \varnothing 2,9
Spibo \varnothing 2,9 SL= 33 GL= 61 DIN 338 HSCO



103142
twist drill 338-605 \varnothing 3,0
Spibo \varnothing 3,0 SL= 33 GL= 61 DIN 338 HSCO



103145
twist drill 338-605 \varnothing 3,3
Spibo \varnothing 3,3 SL= 36 GL= 65 DIN 338 HSCO



103147
twist drill 338-605 \varnothing 3,5
Spibo \varnothing 3,5 SL= 39 GL= 70 DIN 338 HSCO



103150
twist drill 338-605 \varnothing 3,8
Spibo \varnothing 3,8 SL= 43 GL= 75 DIN 338 HSCO



103151
twist drill 338-605 ø 3,9
Spibo ø 3,9 SL= 43 GL= 75 DIN 338 HSCO



103152
twist drill 338-605 ø 4,0
Spibo ø 4,0 SL= 43 GL= 75 DIN 338 HSCO



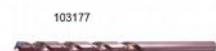
103160
twist drill 338-605 ø 4,8
Spibo ø 4,8 SL= 52 GL= 86 DIN 338 HSCO



103162
twist drill 338-605 ø 5,0
Spibo ø 5,0 SL= 52 GL= 86 DIN 338 HSCO



103172
twist drill 338-605 ø 6,0
Spibo ø 6,0 SL= 57 GL= 93 DIN 338 HSCO



103177
twist drill 338-605 ø 6,5
Spibo ø 6,5 SL= 63 GL=101 DIN 338 HSCO



103180
twist drill 338-605 ø 6,8
Spibo ø 6,8 SL= 69 GL=109 DIN 338 HSCO



103190
twist drill 338-605 ø 7,8
Spibo ø 7,8 SL= 75 GL=117 DIN 338 HSCO



103197
twist drill 338-605 ø 8,5
Spibo ø 8,5 SL= 75 GL=117 DIN 338 HSCO



103212
twist drill 338-605 ø10,0
Spibo ø10,0 SL= 87 GL=133 DIN 338 HSCO



162854
twist drill 340-617 \varnothing 9,7 x121
Spibo \varnothing 9,7 SL=121 GL=184 DIN 340 HSCO



164125
twist drill \varnothing 2.0 taper 1:50 SL=52 GL86
Spibo \varnothing 2,0 Kegel 1:50 SL= 52 GL= 86 HSS

5. Dry calibrator parts / Trockenkaliberteile

5.1 Clamping parts / Spannteile



170422
latching clamp RT 30x32x112
Verriegelungsklemme RT 30x32x112



171072
latching clamp RT 30x32x112 dual LE
Verriegelungsklemme RT 30x32x112 Dualli



171073
lock for RT bath dual left
Verriegelungsbolzen RT \varnothing 30x 46 Dualli



170420
locking bolt RT \varnothing 30x 46
Verriegelungsbolzen RT \varnothing 30x 46



163053
quick clamp assembled
Spanner PT montiert



162990
quick clamp socket for tank
Spanner PT 25x25,5x40 Tank Socket

5.2 Deflectors / Umlenkungen



170551

cross revers. plug RT Ø10x277 D1 RT11-21
Umlenkstange RT Ø10x277 D1 RT11-21



170552

cross revers. plug RT Ø10x277 D2 RT11-21
Umlenkstange RT Ø10x277 D2 RT11-21



168894

cross reversing plug A1
Umlenkstange PT Ø10x215 A1 Stange Stahl



168895

cross reversing plug A2
Umlenkstange PT Ø10x215 A2 Stange Stahl



168896

cross reversing plug B1
Umlenkstange PT Ø10x210 B1 Stange Stahl



168897

cross reversing plug B2
Umlenkstange PT Ø10x210 B2 Stange Stahl



168898

cross reversing plug C1
Umlenkstange PT Ø10x215 C1 Stange Stahl



168899

cross reversing plug C2
Umlenkstange PT Ø10x215 C2 Stange Stahl



170549

cross reversing plug RT Ø10x215 E1 RT22
Umlenkstange RT Ø10x215 E1 RT22



170550
cross reversing plug RT Ø10x215 E2 RT22
Umlenkstange RT Ø10x215 E2 RT22



170737
cross reversing plug RT300 B1 SL
Umlenkstange RT Ø10x277 D1 SL RT11-21



178567
cross reversing plug RTx.0 Ø10x210 F1
Umlenkstange RTx.0 Ø10x210 F1 Stange Sta



178569
cross reversing plug RTx.0 Ø10x210 F1SL
Umlenkstange RTx.0 Ø10x210 F1SL Stange S



178568
cross reversing plug RTx.0 Ø10x210 F2
Umlenkstange RTx.0 Ø10x210 F2 Stange Sta

5.3 Positioning pins conical / Pässeinheiten konisch



160671
positioning pin con. 10°_2/0,00 Ø10x9,8
Paßeinheit 10° Ø12x8 10H7 Versatz 0,0



160672
positioning pin con. 10°_2/0,10 Ø10x9,8
Paßeinheit 10° Ø12x8 10H7 Versatz 0,1



160673
positioning pin con. 10°_2/0,20 Ø10x9,8
Paßeinheit 10° Ø12x8 10H7 Versatz 0,2



160674
positioning pin con. 10°_2/0,30 Ø10x9,8
Paßeinheit 10° Ø12x8 10H7 Versatz 0,3



160675
positioning pin con. 10°_2/0,40 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,4



160676
positioning pin con. 10°_2/0,50 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,5

5.4 Positioning pins cylindrical / Passeinheiten zylindrisch



106713
positioning pin cyl. 0,00 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,0

106787



106787
positioning pin cyl. 0,10 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,1

106788



106788
positioning pin cyl. 0,20 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,2

106789



106789
positioning pin cyl. 0,30 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,3

106790



106790
positioning pin cyl. 0,40 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,4

106791



106791
positioning pin cyl. 0,50 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,5

5.5 Special mounting parts / Befestigungsteile Spezial



106663
Klemmwelle PT ø16x165 150-210TK BDS
Klemmwelle PT ø16x165 150-210TK BDS



106664
clamping shaft PT ø16x205 230-290TK OS
Klemmwelle PT ø16x205 230-290TK BDS



180731
clamping shaft extension 25mm
Klemmwelle PT ø16x45 Verlängerung 25mm



163761
clamping shaft extension 40mm
Klemmwelle PT ø16x60 Verlängerung 40mm



163671
clamping shaft long operat.side 150-210
Klemmwelle PT ø16x195 150-210TK BDS lang



163688
clamping shaft short operat.side 150-210
Klemmwelle PT ø16x155 150-210TK DS BDS



175829
fixing screw f. front part of PDC ø14x72
Fixierschraube PDC ø14x72 M8 Vorderwand



105326
slide bearing bronze ø18x25 int.ø16
Gleitlager Aø18xIø16x25 Bronze PTFE

5.6 Special parts / Sonderteile



106592
installation gauge for positioning pins
Einbaulehre PT 13x25x90 für Paßbolzen



174982
taper gauge for positioning pins PAE V1
Konuslehre PAE Prüfvorrichtung V1 mont

5.7 Water/Vacuum Components / Wasser/Vakuumteile



164299
Stopfen M12x13 SO Ausgang
Stopfen M12x13 SO Ausgang



178564
Stopfen RTx.0 M12x1 x15,2 ISK4 Stahl
Stopfen RTx.0 M12x1 x15,2 ISK4 Stahl



164479
Verlängerung ø 8x30 SO-Ausgang M7
Verlängerung ø 8x30 SO-Ausgang M7



167031
cooling outlet Ø12x23 for tube 6 mm
Einhand Kupplungen Ø12x23 6er Schlauch



161189
extension M5 for special cooling exit
Verlängerung ø 8x30 SO-Ausgang M5



169583
extension brass 3/8" x 15 mm key 19 mm
Verlängerung 3/8" X15MM MS SW19



169582
extension brass 3/8" x 30 mm key 19 mm
Verlängerung 3/8" X30MM MS SW19



172239
manometer for flow rate R1/4" mounted
Manometer für Durchfluss R1/4" montiert



172247
manometer protection R1/4" ø35x32
Manometerschutz R1/4" ø35x32



167659
manometer ø50 for base plate assembled
Manometer ø50 für TK Leiste montiert

163719



163719
plug M8 x 0,75 x 5 with O-ring ISK4 MS
Stopfen M 8x0,75 x 5 mit O-Ring ISK4 MS



106554
plug R1/8"x 5 mit O-Ring ISK4 MS
Stopfen R1/8"x 5 mit O-Ring ISK4 MS



106333
plug with O-ring M8 x 0,75
Stopfen M 8x0,75 x 5 mit O-Ring ISK4 POM

164106



164106
special cooling plug M5 x 13
Stopfen M 5x13 SO Ausgang



106166
special cooling plug M6 x 12, Ø4,8
Stopfen M 6x12 SO Ausgang Ø4,8

106136



106136
special cooling plug M8 x 12
Stopfen M 8x12 SO Ausgang Ø6,6



106137
special cooling plug R1/8" x 12
Stopfen R1/8"x12 SO Ausgang



170457
torsion spring d=2,0 Di=11 left turn
Torsionsfeder lø11x1,5 Windung links



171204
torsion spring d=2,0 Di=11 right turn
Torsionsfeder lø11x1,5 Windung rechts

6. Fastening parts / Befestigungsteile

6.1 Bolts / Bolzen



163721
locking pin GN617-5-AK-NI
Rastbolzen GN617-5-AK-NI M10x1

6.2 Brass pins / Messingstifte

101413



101413
brass pin Aø 6h6x 19
Stift Aø 6h6x 19 MS



169518
brass pin ø6 x 30
Stift Aø 6x 30 MS

6.3 Dowel Pins / Zylinderstifte

166425



166425
parallel pin 10 x 28 DIN 6325
Zylinderstift 10m6x 28 DIN6325 geh.

166421



166421
parallel pin 10 x 60 DIN 6325
Zylinderstift 10m6x 60 DIN6325 geh.

165878



165878

parallel pin 10x12 A1 DIN 7
Zylinderstift 10m6x 12 DIN7 A1

163703



163703

parallel pin 10x20 A1 DIN 7
Zylinderstift 10m6x 20 DIN7 A1

170469



170469

parallel pin 10x20 A4 DIN 7
Zylinderstift 10m6x 20 DIN7 A4

166861



166861

parallel pin 10x70 with pull-off thread
Zylinderstift 10m6x 70 DIN7979D geh. M

NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

170165

parallel pin 12 x 30 DIN 7 blank
Zylinderstift 12h8x 30 DIN7 blank

102922



102922

parallel pin 12 x 32 DIN 6325
Zylinderstift 12m6x 32 DIN6325 geh.

NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

170166

parallel pin 12 x 80 DIN 7 blank
Zylinderstift 12h8x 80 DIN7 blank

166268



166268

parallel pin 12x140 with pull-off thread
Zylinderstift 12m6x140 DIN7979D M 6 geh.

172156



172156

parallel pin 12x32 with pull-off thread
Zylinderstift 12m6x 32 DIN7979D M 6 geh.

168432



168432

parallel pin 12x40 with pull-off thread
Zylinderstift 12m6x 40 DIN7979D M 6 geh.

171952



171952
parallel pin 16 x 16 DIN 6325 blank
Zylinderstift 16m6x 16 DIN6325 blank



172168

172168
parallel pin 16 x 20 DIN 6325 blank
Zylinderstift 16m6x 20 DIN6325 blank

168436



168436
parallel pin 16 x 36 DIN 6325
Zylinderstift 16m6x 36 DIN6325 geh.

107094



107094
parallel pin 16x100 with pull-off thread
Zylinderstift 16m6x100 DIN7979D M 8 geh.

162822



162822
parallel pin 16x110 with pull-off thread
Zylinderstift 16m6x110 DIN7979D M 8 geh.

107093



107093
parallel pin 16x120 with pull-off thread
Zylinderstift 16m6x120 DIN7979D M 8 geh.

106834



106834
parallel pin 16x130 with pull-off thread
Zylinderstift 16m6x130 DIN7979D M 8 geh.

163643



163643
parallel pin 16x150 with pull-off thread
Zylinderstift 16m6x150 DIN7979D M 8 geh.

163644



163644
parallel pin 16x160 with pull-off thread
Zylinderstift 16m6x160 DIN7979D M 8 geh.

107202



107202
parallel pin 16x60 with pull-off thread
Zylinderstift 16m6x 60 DIN7979D M 8 geh.



107095
parallel pin 16x70 with pull-off thread
Zylinderstift 16m6x 70 DIN7979D M 8 geh.



102950
parallel pin 16x80 DIN 7979
Zylinderstift 16m6x 80 DIN7979D M 8 geh.



107163
parallel pin 16x90 with pull-off thread
Zylinderstift 16m6x 90 DIN7979D M 8 geh.

107197



107197
parallel pin 2 x 10 DIN 6325
Zylinderstift 2m6x 10 DIN7 A1

166422



166422
parallel pin 2 x 16 DIN 6325
Zylinderstift 2m6x 16 DIN6325 geh.



177077

177077
parallel pin 2 x 6 DIN 6325
Zylinderstift 2m6x 6 DIN6325 geh.



161610
parallel pin 20 x 24/42-45HRC
Zylinderstift 20h6x 24 42-45HRC



163977
parallel pin 20x150 with pull-off thread
Zylinderstift 20h6x150 DIN7979D M10 geh.

163329



163329
parallel pin 3 x 12 A4 DIN 7
Zylinderstift 3m6x 12 DIN7 A4

NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

165826
parallel pin 3 x 12 DIN6325
Zylinderstift 3m6x 12 DIN6325 geh.

166418



166418
parallel pin 3 x 16 DIN 6325
Zylinderstift 3m6x 16 DIN6325 geh.

102925



102925
parallel pin 3 x 20 DIN 6325
Zylinderstift 3m6x 20 DIN6325 geh.

196499



196499
parallel pin 3 x 20 DIN7 A4
Zylinderstift 3m6x 20 DIN7 A4

166417



166417
parallel pin 3 x 24 DIN 6325
Zylinderstift 3m6x 24 DIN6325 geh.

102946



102946
parallel pin 4 x 10 DIN 6325
Zylinderstift 4m6x 10 DIN6325 geh.

163330



163330
parallel pin 4 x 12 A1 DIN 7
Zylinderstift 4m6x 12 DIN7 A1

102937



102937
parallel pin 4 x 16 DIN 6325
Zylinderstift 4m6x 16 DIN6325 geh.

169500



169500
parallel pin 4 x 20 A4 DIN 7
Zylinderstift 4m6x 20 DIN7 A4

102926



102926
parallel pin 4 x 20 DIN 6325
Zylinderstift 4m6x 20 DIN6325 geh.

102927



102927
parallel pin 4 x 32 DIN 6325
Zylinderstift 4m6x 32 DIN6325 geh.



102947
parallel pin 4 x 40 DIN 6325
Zylinderstift 4m6x 40 DIN6325 geh.



101763
parallel pin 4 x 8 A1 DIN 7
Zylinderstift 4m6x 8 DIN7 A1



162848
parallel pin 5 x 10 A1 DIN 7
Zylinderstift 5m6x 10 DIN7 A1



163331
parallel pin 5 x 12 A4 DIN 7
Zylinderstift 5m6x 12 DIN7 A4



102928
parallel pin 5 x 20 DIN 6325
Zylinderstift 5m6x 20 DIN6325 geh.



102949
parallel pin 5 x 40 DIN 6325
Zylinderstift 5m6x 40 DIN6325 geh.



161997
parallel pin 5 x 70 DIN 6325
Zylinderstift 5m6x 22 DIN6325 geh.



161458
parallel pin 6 x 10 A1 DIN 7
Zylinderstift 6m6x 10 DIN7 A1



163332
parallel pin 6 x 12 A4 DIN 7
Zylinderstift 6m6x 12 DIN7 A4



110693
parallel pin 6 x 16 A1 DIN 7
Zylinderstift 6m6x16 DIN7 1.4305/A1



102931

102931
parallel pin 6 x 16 DIN 6325
Zylinderstift 6m6x 16 DIN6325 geh.



102932

102932
parallel pin 6 x 20 DIN 6325
Zylinderstift 6m6x 20 DIN6325 geh.



102933

102933
parallel pin 6 x 24 DIN 6325
Zylinderstift 6m6x 24 DIN6325 geh.



161241

161241
parallel pin 6 x 28 A1 DIN 7
Zylinderstift 6m6x 28 DIN7 A1



163920

163920
parallel pin 6 x 32 A4 DIN 7
Zylinderstift 6m6x 32 DIN7 A4



172322

172322
parallel pin 6 x 36 DIN 6325
Zylinderstift 6m6x 36 DIN6325 geh.



163747

163747
parallel pin 6 x 40 A1 DIN 7
Zylinderstift 6m6x 40 DIN7 A1



164413

164413
parallel pin 6 x 50 A1 DIN 7
Zylinderstift 6m6x 50 DIN7 A1



165027

165027
parallel pin 6 x 6 A1 DIN 7
Zylinderstift 6m6x 6 DIN7 A1



166716

166716
parallel pin 6 x 8 A1 DIN 7
Zylinderstift 6m6x 8 DIN7 A1



163650

163650
parallel pin 8 x 12 A1 DIN 7
Zylinderstift 8m6x 12 DIN7 A1



161548

161548
parallel pin 8 x 16 A1 DIN 7
Zylinderstift 8m6x 16 DIN7 A1



170978

170978
parallel pin 8 x 16 DIN7979C M 5 A1
Zylinderstift 8m6x 16 DIN7979C M 4 A1



160651

160651
parallel pin 8 x 20 A1 DIN 7
Zylinderstift 8m6x 20 DIN7 A1

172597



172597
parallel pin 8 x 20 DIN 6325
Zylinderstift 8m6x 20 DIN6325 geh.

165873



165873
parallel pin 8 x 24 with pull-off thread
Zylinderstift 8m6x 24 DIN7979D M 5 geh.

166415



166415
parallel pin 8 x 28 DIN 6325
Zylinderstift 8m6x 28 DIN6325 geh.

169381



169381
parallel pin 8 x 30 A4 DIN 7
Zylinderstift 8m6x 30 DIN7 A4

166416



166416
parallel pin 8 x 32 DIN 6325
Zylinderstift 8m6x 32 DIN6325 geh.

168640



168640
parallel pin 8 x 40 A4 DIN 7
Zylinderstift 8m6x 40 DIN7 A4



166419

166419
parallel pin 8 x 40 DIN 6325
Zylinderstift 8m6x 40 DIN6325 geh.



102945

102945
parallel pin 8 x 45 A2 DIN 7
Zylinderstift 8m6x 45 DIN7 A2



166420

166420
parallel pin 8 x 45 DIN 6325
Zylinderstift 8m6x 45 DIN6325 geh.



166737

166737
parallel pin 8 x 50 A1 DIN 7
Zylinderstift 8m6x 50 DIN7 A1



166424

166424
parallel pin 8 x 50 DIN 6325
Zylinderstift 8m6x 50 DIN6325 geh.



NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

172165
parallel pin 8 x 80 DIN 6325
Zylinderstift 8m6x 80 DIN6325 geh.



NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

172323
parallel pin 8 x 90 DIN 6325
Zylinderstift 8m6x 90 DIN6325 geh.



102919

102919
parallel pin with groove 10x30/58-62HRC
Zylinderstift 10m6x 30 58-62HRC Rille



162434

162434
parallel pin with groove 8 x 22
Zylinderstift 8m6x 22 54-56HRC Rille



102934

102934
parallel pin with groove 8 x 30
Zylinderstift 8m6x 30 58-62HRC Rille



172141
parallel pin with groove 8 x 40/54-46HRC
Zylinderstift 8m6x 40 54-56HRC Rille



102935
parallel pin with groove 8 x 40/58-62HRC
Zylinderstift 8m6x 40 58-62HRC Rille mi



102936
parallel pin with groove 8 x 50
Zylinderstift 8m6x 50 58-62HRC Rille mi

6.4 Nuts / Muttern



165289
PCE nut R3/8"
Mutter PT.PCE R3/8" x 5 SW19



161570
cap nut M8 A2 DIN 986
Hutmutter M 8 DIN986 A2 selbstsichernd



103051
hexagon nut DIN934 M 6 A2
Sechskantmutter M 6 DIN934 A2



103052
hexagon nut DIN934 M 8 A2
Sechskantmutter M 8 DIN934 A2



103044
hexagonal nut DIN934 M10 A2
Sechskantmutter M10 DIN934 A2



103045
hexagonal nut DIN934 M12 A2
Sechskantmutter M12 DIN934 A2

103047



103047

hexagonal nut DIN934 M20 A2
Sechskantmutter M20 DIN934 A2

100920



100920

union nut M20/10.9-6331
Bundmutter M20 DIN6331 10.9

6.5 Retaining rings / Sicherungsringe

178198



178198

securing disc ø 2,3x0,6 DIN6799 A2
Sicherungsscheibe ø 2,3x0,6 DIN6799 A2

6.6 Threaded pins / Gewindestifte

166239



166239

grub screw 10 x 1,0 x 8 brass
Gewindestift M10x1,00x 8 MS58

164334



164334

grub screw 10 x 100 A2 DIN 913
Gewindestift M10x100 DIN913 45H

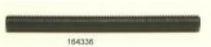
164335



164335

grub screw 10 x 110 A2 DIN 913
Gewindestift M10x110 DIN913 45H

164336



164336

grub screw 10 x 120 A2 DIN 913
Gewindestift M10x120 DIN913 45H

164337



164337

grub screw 10 x 130 A2 DIN 913
Gewindestift M10x130 DIN913 45H



164338
grub screw 10 x 140 A2 DIN 913
Gewindestift M10x140 DIN913 45H



171407
grub screw 10 x 170 A2 DIN 913
Gewindestift M10x170 DIN913 45H

106167



106167
grub screw 12 x 12 A2 DIN 913
Gewindestift M12x 12 DIN913 A2



166185
grub screw 12 x 6 A2 DIN 913
Gewindestift M12x 6 913 A2



161601

161601
grub screw 3 x 4 A2 DIN 913
Gewindestift M 3x 4 DIN913 A2

162433



162433
grub screw 5 x 4 A2 DIN 913
Gewindestift M 5x 4 DIN913 A2

161245



161245
grub screw 5 x 5 A2 DIN 913
Gewindestift M 5x 5 DIN913 A2



166529

166529
grub screw 6 x 10 DIN913
Gewindestift M 6x 10 DIN913 A2

162436



162436
grub screw 6 x 4 A2 DIN 913
Gewindestift M 6x 4 DIN913 A2

166238



166238
grub screw 8 x 0,75 x 8 brass
Gewindestift M 8x0,75x 8 MS58

162437



162437
grub screw 8 x 4 A2 DIN 913
Gewindestift M 8x 4 DIN913 A2

164332



164332
grub screw M10 x 80 A2 DIN 913
Gewindestift M10x 80 DIN913 45H

164333



164333
grub screw M10 x 90 A2 DIN 913
Gewindestift M10x 90 DIN913 45H



102010
grub screw with pivot 8 x 10 A2
Gewindestift M 8x 10 DIN915 A2 m.Zapfen

102011



102011
grub screw with pivot 8 x 20 A2
Gewindestift M 8x 20 DIN915 A2 m.Zapfen

6.7 Washers/disc springs/spring r. / Scheiben/Tellerfeder/Federring



107114
disc spring A2 ø20/10,2x0,8mm f.get.LOCK
Tellerfeder ø20/10,2x0,8 DIN2093 A2



100835

100835
washer DIN125 A 5,3 A2
Beilagscheibe M 5 DIN125 ø10/5,3x1,0 A2



100841

100841
washer DIN125 A 8,4 A2
Beilagscheibe M 8 DIN125 ø16/8,4x1,6 A2



100843
washer M10 DIN125 ø20/10,5x2,0 A2
Beilagscheibe M10 DIN125 ø20/10,5x2,0 A2



160650

160650

washer M20 ø44 x 8 galvanized

Beilagscheibe M20 DIN7349 ø44/21x8,0 vz



162658

162658

washer hardened M12 height 2 mm

Beilagscheibe M12 ø18/12,3x2,0 gehärtet



100856

100856

washer hardened M16 height 5 mm

Beilagscheibe M16 ø24/16,5x5,0 gehärtet



162657

162657

washer hardened M16 ø23/17x3,0

Beilagscheibe M16 ø23/17x3,0 gehärtet



105490

washer hardened M20 height 5 mm

Beilagscheibe M20 ø30/20,5x5,0 gehärtet

7. Fittings / Armaturen

7.1 Pressure gauges / Manometer



161069

manometer 1/2" -0,25/0bar ø100 bot.con.

Manometer 1/2" ø100 -0,25/0 bar AU



105241

manometer 1/2", -0.6/0 bar ø100 bot.con.

Manometer 1/2" ø100 -0,6/0 bar AU



101791

manometer 1/2", -1.0/0 bar ø100 bot.con.

Manometer 1/2" ø100 -1,0/0 bar AU



162723
manometer 1/4" -1/0bar ø63 bot.con.
Manometer 1/4" ø63 -1/0 bar AU m. glyz.



162631
manometer 1/4" -250/0mbar ø63 back con.
Manometer 1/4" ø63 -0,25/0 bar AH



162632
manometer 1/4" -250/0mbar ø63 bot.con.
Manometer 1/4" ø63 -0,25/0 bar AU



169074
manometer 1/4", 0/0,6 bar Ø63 back con.
Manometer 1/4" ø63 0/0,6 bar AH



168651
manometer 1/4", 0/6 bar Ø63 back con.
Manometer 1/4" ø63 0/6 bar AH



167960
manometer 1/4", -0.6/0 bar ø50 bot.con.
Manometer 1/4" ø50 -0,6/0 bar AU



168335
manometer 1/8" -1/0bar ø40 back.con.
Manometer 1/8" ø40 -1/0 bar AH



169391
manometer 1/8" 0-6bar ø40 back.con.
Manometer 1/8" ø40 0-6 bar AH



168176
manometer 1/8" 0/10bar ø40 back.con.
Manometer 1/8" ø40 0/10 bar AH



161068
manometer 1/8" 0/10bar ø40 bot.con.
Manometer 1/8" ø40 0/10 bar AU



172184
manometer 1/8" 0/4 bar Ø27 back con.
Manometer 1/8" ø27 0/4 bar AH



177668
manometer 1/8" ø40 -0,6/0bar back con.
Manometer 1/8" ø40 -0,6/0 bar AH



171386
manometer 1/8" ø63 -0,6/0bar, con9o'clock
Manometer 1/8" ø63 -0,6/0 bar, A 9Uhr



168990
manometer 1/8", -250/0 mbar Ø63, con. 3o
Manometer 1/8" ø63 -0,25/0 bar, A 3Uhr



171385
manometer 1/8", -250/0 mbar Ø63, con. 9o
Manometer 1/8" ø63 -0,25/0 bar, A 9Uhr



169815
manometer 1/8", -600/0 mbar Ø63, con. 3o
Manometer 1/8" ø63 -0,6/0 bar, A 3Uhr



163579
manometer 7/16" UNF -1/3bar ø59 bot.con.
Manometer 7/16"UNF ø59 -1/3 bar AU



172239
manometer for flow rate R1/4" mounted
Manometer für Durchfluss R1/4" montiert



172247
manometer protection R1/4" ø35x32
Manometerschutz R1/4" ø35x32



167659
manometer ø50 for base plate assembled
Manometer ø50 für TK Leiste montiert

7.2 Valves and ball valves / Ventile und Kugelhähne



168660
ball valve 1" internal/external thread
Kugelhahn Eck 1" IG/AG



101615
ball valve 1" internal/external thread
Kugelhahn 1" IG/AG MS vern.



102491
ball valve 1/2" int./ext.thread Miniball
Kugelhahn 1/2" IG/AG mini



162132
ball valve 1/2" int./int.thread Miniball
Kugelhahn 1/2" IG/IG mini



104797
ball valve 1/4" int./ext.thread Miniball
Kugelhahn 1/4" IG/AG mini kurzer Griff



161252
ball valve 1/8" FESTO for tube Ø6
Kugelhahn 1/8" AG/lø6 Festo blau



167646
ball valve 1/8" ITV Ø6mm large
Kugelhahn 1/8" AG/lø6 ITV schwarz



101654
ball valve 1/8" int./ext.thread Miniball
Kugelhahn 1/8" IG/AG mini



169644
ball valve 1/8" int./int.thread Miniball
Kugelhahn 1/8" IG/IG rot
C1



101658
ball valve 3/4" internal/external thread
Kugelhahn 3/4" IG/AG



166577
ball valve 3/8" int./ext.thread Miniball
Kugelhahn 3/8" IG/AG mini



101661
ball valve 3/8" internal/external thread
Kugelhahn 3/8" IG/AG



101610
ball valve inside-outside 1/2,
Kugelhahn 1/2" IG/AG

8. Grinding and polishing agents / Schleif- und Poliermittel

8.1 Abrasives / Schleifmittel



103409
abrasive paper, 25mm x 50m P120
Schleifleinen 25x50m K120



103410
abrasive paper, 25mm x 50m P180
Schleifleinen 25x50m K180



103411
abrasive paper, 25mm x 50m P240
Schleifleinen 25x50m K240



103412
abrasive paper, 25mm x 50m P320
Schleifleinen 25x50m K320



103413
abrasive paper, 25mm x 50m P400
Schleifleinen 25x50m K400



106302
abrasive paper, 25mm x 50m P600
Schleifleinen 25x50m K600



103408
abrasive paper, 25mm x 50m P80
Schleifleinen 25x50m K 80



106986
abrasive paper, 25mm x 50m P800
Schleifleinen 25x50m K800



103390
abrasive paper, 50mm x 50m P180
Schleifleinen 50x50m K180



103391
abrasive paper, 50mm x 50m P240
Schleifleinen 50x50m K240



103392
abrasive paper, 50mm x 50m P320
Schleifleinen 50x50m K320



103394
abrasive paper, 50mm x 50m P400
Schleifleinen 50x50m K400



103420
abrasive paper, 50mm x 50m P600
Schleifleinen 50x50m K600



103393
abrasive paper, 50mm x 50m P80
Schleifleinen 50x50m K 80



104795
bench stone medium 50 x 25 x 200
Bankstein 200x50x25 Korn 220M Siliziumk.



162430
emery paper 691 ASIC 1000
Schleifpapier 230x280 K1000 691 AIOX



162431
emery paper 991 ASIC 2000
Schleifpapier 230x280 P2000 991A SIC

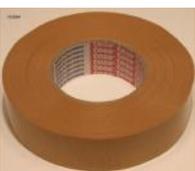


103377
oil stone 10x5x100 fine
Ölsteine 10x 5x100 C fein



103378
oil stone 10x5x100 medium
Ölsteine 10x 5x100 C mittel

8.2 Accessories / Zubehör



103554
double sided adhesive tape 38 mm x 50 m
Kleband Tesa Doppel B=38 50m weiß



104364
double sided foam adhesive tape 25mmx50m
Kleband Lohmann Doppel B=25 50m weiß

8.3 Polishing compounds / Poliermittel



104354
polishing pads P120
Polierpickerl P120 ca. 25x 6

104355



104355
polishing pads P180
Polierpickerl P180 ca. 25x 6

104356

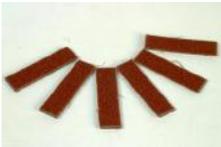


104356
polishing pads P240
Polierpickerl P240 ca. 25x 6

104357



104357
polishing pads P320
Polierpickerl P320 ca. 25x 6



104358
polishing pads P400
Polierpickerl P400 ca. 25x 6

106305



106305
polishing pads P600
Polierpickerl P600 ca. 25x 6

104353



104353
polishing pads P80
Polierpickerl P 80 ca. 25x 6

107064



107064
polishing pads P800
Polierpickerl P800 ca. 25x 6



165123
polishing stone 0,5x4x150 K120
Polierstein 0,5x 4x150 K120/110 grün



164663
polishing stone 1,0x4x150 K120
Polierstein 1,0x 4x150 K120/110 grün



163226
polishing stone 1,0x4x150 K600
Polierstein 1,0x 4x150 K600/25 dunkelbra



164662
polishing stone 1,0x4x150 K800
Polierstein 1,0x 4x150 K800/20 blau



103344
polishing stone 1,0x6x150 K600
Polierstein 1,0x 6x150 K600/25 dunkelbra



163227
polishing stone 2,0x4x150 K600
Polierstein 2,0x 4x150 K600/25 dunkelbra



103345
polishing stone 2,0x6x150 K600
Polierstein 2,0x 6x150 K600/25 dunkelbra



163228
polishing stone \varnothing 3,0 x 100 K120
Polierstein \varnothing 3x100 K120/110 grün



103346
polishing stone \varnothing 3,0 x 100 K600
Polierstein \varnothing 3x100 K600/25 braun



169496
polishing stone \varnothing 3,0 x 100 SPD, K400
Polierstein \varnothing 3x100 K400/30 orange

9. Hand Tools / Handwerkzeug

9.1 Allen keys / Inbusschlüssel



106501
allen wrench key L \varnothing 14 long
Inbusschlüssel Form-L SW 14 lang



106500
allen wrench key L ø17 long
Inbusschlüssel Form-L SW 17 lang



165298
allen wrench key L ø19 long
Inbusschlüssel Form-L SW 19 lang



106666
allen wrench key L ø6 long
Inbusschlüssel Form-L SW 6,0 lang



105407
allen wrench key T-handle ø10
Inbusschlüssel Form-T SW 10



105411
allen wrench key T-handle ø12
Inbusschlüssel Form-T SW 12



105746
allen wrench key T-handle ø14
Inbusschlüssel Form-T SW 14



105524
allen wrench key T-handle ø2
Inbusschlüssel Form-T SW 2,0



105525
allen wrench key T-handle ø2.5
Inbusschlüssel Form-T SW 2,5



105526
allen wrench key T-handle ø3
Inbusschlüssel Form-T SW 3,0



105527
allen wrench key T-handle ø3.5
Inbusschlüssel Form-T SW 3,5



105528
allen wrench key T-handle ø4
Inbusschlüssel Form-T SW 4,0



105530
allen wrench key T-handle ø5
Inbusschlüssel Form-T SW 5,0



105531
allen wrench key T-handle ø6
Inbusschlüssel Form-T SW 6,0



105413
allen wrench key T-handle ø7
Inbusschlüssel Form-T SW 7,0



105532
allen wrench key T-handle ø8
Inbusschlüssel Form-T SW 8,0

9.2 Combination wrenches / Ring-Maulschlüssel



103497
ring spanner, wrench size 13
Ring Maulschlüssel SW13 DIN 3113A CRV



106759
ring spanner, wrench size 24
Ring Maulschlüssel SW24 DIN 3113A CRV



100489
ring spanner, wrench size 30
Ring Maulschlüssel SW30 DIN 3113A CRV



102416
ring spanner, wrench size 8
Ring Maulschlüssel SW 8 DIN 3113A CRV

9.3 Files / Feilen



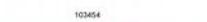
103449
needle file NF 121-160/00 flat
Nadelfeile L=160 SHieb 0 121 flachstumpf



103450
needle file NF 121-160/2 flat
Nadelfeile L=160 SHieb 2 121 flachstumpf



103453
needle file NF 123-160/00 half-round
Nadelfeile L=160 SHieb 0 123 halbrund



103454
needle file NF 123-160/2 half-round
Nadelfeile L=160 SHieb 2 123 halbrund



103465
needle file NF 126-160/00 round
Nadelfeile L=160 SHieb 0 126 rund



103466
needle file NF 126-160/2 round
Nadelfeile L=160 SHieb 2 126 rund



103469
needle file NF 132-160/00 barret
Nadelfeile L=160 SHieb 00 132 barret



103470
needle file NF 132-160/2 barret
Nadelfeile L=160 SHieb 2 132 barret



106243
set of needle files
Nadelfeilensatz L=140 D126 Diamant 5teil

9.4 Measuring tools / Messwerkzeug



103524
Mitutoyo dial gauge 513-404E
Messuhr 0,4/40 Fühlhebel ø2x20,9



106002
digital pocket calliper 150
Taschenmessschieber 150 x 40mm Digital



101592
measurement tripod, magnetic, small
Kleinmeßstativ inklusive Magnet



103493
precision angle 100 x 70
Präzisionswinkel DIN875/00 100x 70 rostf



102075
precision straightedge 100
Haarlineal DIN874/00 100mm rostfrei



103486
radius gauge 1 - 7
Radienlehre 1,0-7 Schablone Lehrstahl



103487

103487
radius gauge 7,5 - 15
Radienlehre 7,5-15 Schablone rostfrei



106517
spirit level 400
Wasserwaage Leichtmetall 400 mm



100611

100611
thickness gauge 0,05 - 1,0
Fühlerlehren 0,05-1,0 MS

9.5 Miscellaneous / Sonstiges



105909
Flow sample cutter, brass Exelliq logo
Schubblech Messing 4x119x173mm



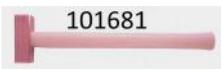
169091
Hand filing machine Diprofil FPL/R
Handfeilmaschine DIPROFIL FPL/R



102412
air pistol, low-noise
Blaspistole mit Nippel 1/4" Lärmarm



101073
all-purpose knife
Messer Cutter 18 mm



101681
copper hammer 250 g
Hammer Kupfer mit Hickorystiel 250 g



163152
hand filing machine FRV-110
Handfeilmaschine FRV-110



102053
holder ø 8,0 DS 12x 66 GL 95 IK HM
Klemmhalter ø 8,0 DS 12x 66 GL 95 IK HM



102055
holder ø12,0 DS 16x 58 GL100 IK HM
Klemmhalter ø12,0 DS 16x 58 GL100 IK HM



102056
holder ø12,0 DS 16x 85 GL160 IK HM
Klemmhalter ø12,0 DS 16x 85 GL160 IK HM



103482
micro lamp with Clip LED
Taschenlampe Stift mit Halteclip LED



104285
mounting lever 380
Montiereisen 380 CRV



104286
needle-nosed pliers 200 mm
Flachrundzange 200 gerade



102144
quick coupling Diprofil HSL-M
Schnellkupplung DIPROFIL HSL-M



103491
set of splint drivers
Splintentreibersatz \varnothing 2/3/4/5/6/8 CRV



170460
silicone 450, 310ml colour bermuda
Silikon 450, 310ml Farbe Bermuda



170461
silicone 450, 310ml colour black
Silikon 450, 310ml Farbe Schwarz



170459
silicone 450, 310ml colour crocus
Silikon 450, 310ml Farbe Crocus



170458
silicone 450, 310ml colour grey
Silikon 450, 310ml Farbe Grau



170462
silicone 450, 310ml colour red
Silikon 450, 310ml Farbe Feuerrot



170463
silicone 450, 310ml colour yellow
Silikon 450, 310ml Farbe Sonnengelb



104362
soft mallet ø40mm
Hammer Rückschlagfrei Stahlrohrstiel ø40



104788
spare blades for knife
Messer Cutter Ersatzklingen 18 mm



103591
tool case "Mega Wheels"
Werkzeugkoffer mit Fahreinheit HDPE



100881
tube 6,5mm/4m for air pistol
Schlauch Blaspistole ø 6,5x 4m



105757
turbo grinder G180/60
Luftschleifer TURBO G180/60 Spannzang ø3

9.6 Personal protective equipment / Arbeitsschutz



102061
gloves MaxiTherm size 10
Handschuh MaxiTherm Größe 10



163930
gloves size 8, fine knitted
Handschuh Feinstrick PU Größe 8



163132
gloves size 9, fine knitted
Handschuh Feinstrick PU Größe 9



103529
protective goggles ASTOR
Schutzbrille Kilimandjaro Clear AB

9.7 Screwdrivers / Schraubendreher



169489
Torx torque wrench 2,0 Nm
Schraubendreher Torx T10 Drehmom.2,0Nm



105752
Torx wrench T10
Schraubendreher Torx T10



101367
cross slot screw driver Nr. 2
Schraubendreher Kreuzschlitz PH 2

9.8 Thread cutting dies / Schneideisen



103494
adjustable drill holder no.1 M1-12
Windeisen DIN1814 Nr.1 M1-12 verstellbar



103496
adjustable drill holder no.3 M5-20
Windeisen DIN1814 Nr.3 M5-20 verstellbar

10. Handles and levers / Griffe und Hebel

10.1 Clamping levers / Klemmhebel



101601

101601
clamping lever M8 x 40 for PCE
Klemmhebel GN-300-63-M8-40-SW



160476

160476
clamping lever adjustable M8
Klemmhebel GN 300.1-78-M8-SW



105484

105484
clamping lever ø8 mm, plastic
Klemmhebel Starr MF.63 N-ø8-SW

10.2 Handles / Griffe



101663
ball button M6 DIN 319-KU-25
Griff Kugel DIN319-KU-ø25 M6 (Hülse) SW



172106
cord handle ø 50x M 8x 110 mounted
Kordelgriff ø 50x M 8x110 montiert



172096
cord handle ø 50x M 8x 55 mounted
Kordelgriff ø 50x M 8x 55 montiert



170386
handle GN 528-PA-94 red
Bügelgriff GN 528-PA-94-ROT



163005
handle aluminium red for PowerTooling
Bügelgriff GN565.2-26-160-RT



161510
knurled button, thermoplast ø32 M8 black
Griff Rändel GN590-ø32-M8 (Hülse)-D SW



107149
twisted handle with bore \varnothing 8 mm
Griff Kordel MBT. \varnothing 50 \varnothing 8 (Hülse) schwarz



161430
twisted handle \varnothing 50 M8 brass bushing
Sterngriff VCT.50 FP-M8-MS Durchloch

10.3 Handwheels / Handräder



100432
adjusting wheel int. \varnothing 6/ext. \varnothing 50, black
Handrad \varnothing 50



162130
hand wheel Elesa GN324-160-B14-D
Handrad GN324-160-B14-D \varnothing 160

11. Heating / Beheizung

11.1 Air heater / Luftherhitzer



165682
PCE holder 3/8" for heat gun Leister
Leisteraufnahme PT.PCE 3/8" \varnothing 48x77



102070
control cabinet for 2 heat guns Leister
Regelschrank für 1 oder 2 Leister



172278
heating element for heat gun Leister
Heizungselement 3000 ERSATZ Fa. HERZ



101184
hot air blower 3000W 220V
Luftherhitzer 3000 220V Wieland Stecker

11.2 Heated tubes / Heizschläuche



171972
Flexible heating tube T3/20x1000 black
Heizschlauch T3/20x1000 schwarz



101181
Flexible heating tube T3/20x800 black
Heizschlauch T3/20x 800 schwarz
K2583F20008-1-2-SO



160417
flexible heating tube T3/20x600 black
Heizschlauch T3/20x 600 schwarz

11.3 Heater bands / Heizbänder



166123
heater band PT_Ø220*130
Heizband PT ø220x130



166124
heater band PT_Ø220*150
Heizband PT ø220x150



101180
heater band for PCE-Y-block 120
Heizband ø120x65 für Y-Verteiler

11.4 Heating cartridges / Heizpatronen



174203
heating cartridge HHP ø 8x 80 IP54 7poli
Heizpatrone HHP ø 8x 80 IP54 7polig wink



174204
heating cartridge HHP ø 8x250 IP54 7poli
Heizpatrone HHP ø 8x250 IP54 7polig wink



163221
heating cartridge HHP ø8 with plug
Heizpatrone HHP ø 8x 80 IP54



165290
heating cartridge HHP ø8 without plug
Heizpatrone Typ HHP ø8x80 ohne Stecker

11.5 Heating miscellaneous / Heizung diverse



177775
clamp electro 21x 21x 8,5 ceramic
Keramikklemme 21,5x21,5x8,5 m. Drahtsch.



162016
female connector 3-pole T155 444Si, red
Gerätesteckdose 3Po,T155 444Si



165034
male connector 3-pole T1670
Gerätestecker 3Po,T1670

11.6 Radiant heaters / Heizstrahler



101308
infrared heater 650W 220V
Infrarotstrahler 650W, 220V komplett

11.7 Sensor holders / Fühlerhalter



163893
thermocouple holder 1/4" \varnothing 14 x 40
Fühlerhalter 1/4" \varnothing 14x 40



105487
thermocouple holder 1/8" \varnothing 14x55mm
Fühlerhalter 1/8" \varnothing 14x55mm



100596
thermocouple holder 1/8" NPT \varnothing 12 x 32
Fühlerhalter 1/8"-27NPT \varnothing 12x32



100600
thermocouple holder 12 x 1 \varnothing 12 x 35
Fühlerhalter M12x1 \varnothing 12x 35



106992
thermocouple holder 12 x 1 \varnothing 12 x 60
Fühlerhalter M12x1 \varnothing 12x 60



100601
thermocouple holder 12 x 1 \varnothing 14 x 40
Fühlerhalter M12x1 \varnothing 14x 40



107107
thermocouple holder 12 x 1 \varnothing 8 x 16 x 35
Fühlerhalter M12x1 \varnothing 16x 35



100607
thermocouple holder 12 x 1,75 \varnothing 14 x 40
Fühlerhalter M12x1,75 \varnothing 14x 40



100602
thermocouple holder 14 x 1,5 \varnothing 14 x 40
Fühlerhalter M14x1,5 \varnothing 14x 40



100604
thermocouple holder 14 x 1,5 \varnothing 14 x 60
Fühlerhalter M14x1,5 \varnothing 14x 60

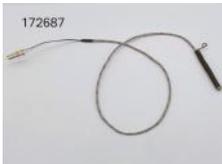


108656
thermocouple holder M12x1
Fühlerhalter M12x1 ø14x 40

11.8 Sensors / Fühler



172688
special temperature gauge RTHZK 1050mmV1
Spezialtemperaturfühler RT HZK 1050mm V1



172687
special temperature gauge RTHZK 650mm V1
Spezialtemperaturfühler RT HZK 650mm V1



100595
thermocouple ø8 x 12 3-pole T 3008
Temperaturfühler ø8x12 3-polig Stecker

11.9 Tubular heaters / Wendelrohrpatronen



102069
control cabinet for gloss heating
Regelschrank für Heizung -DBH 2 Steller



102978
lip heater 100 mm heated length
Wendelrohrpatrone 4,2x2,2x100 118 Watt



102976
lip heater 125 mm heated length
Wendelrohrpatrone 4,2x2,2x125 138 Watt



102979
lip heater 150 mm heated length
Wendelrohrpatrone 4,2x2,2x150 157 Watt



102983
lip heater 175 mm heated length
Wendelrohrpatrone 4,2x2,2x175 178 Watt



102980
lip heater 200 mm heated length
Wendelrohrpatrone 4,2x2,2x200 196 Watt



102984
lip heater 225 mm heated length
Wendelrohrpatrone 4,2x2,2x225 183 Watt



102981
lip heater 250 mm heated length
Wendelrohrpatrone 4,2x2,2x250 158 Watt



102985
lip heater 275 mm heated length
Wendelrohrpatrone 4,2x2,2x275 158 Watt



106858
lip heater 300 mm heated length
Wendelrohrpatrone 4,2x2,2x300 150 Watt

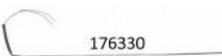


102986
lip heater 325 mm heated length
Wendelrohrpatrone 4,2x2,2x325 143 Watt



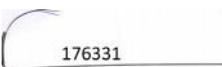
176328

176328
lip heater 400 mm heated length
Wendelrohrpatrone 4,2x2,2x400 160 Watt



176330

176330
lip heater 500 mm heated length
Wendelrohrpatrone 4,2x2,2x500 125 Watt



176331

176331
lip heater 550 mm heated length
Wendelrohrpatrone 4,2x2,2x550 135 Watt



166606
plug 350° heat resistant
Stecker Glanzh. GR 350° Hitzebest. unbea



101684
plug female 2-pole heat-resistant 350°C
Kupplung Glanzh. GR 350° Hitzebest.



104325
plug male 2-pole heat-resistant 350°
Stecker Glanzh. GR 350° Hitzebeständig

12. Hoses and pipes / Schläuche und Rohre

12.1 Hose clamps and clips / Schlauchklemmen und -schellen



100210
ABA clamp 13-20 mm/9mm
Schlauchklemme ABA ø 13- 20/9



164889
ABA clamp 26-38 mm/12mm
Schlauchklemme ABA ø 26- 38/12



164574
ABA clamp 44-56 mm/12mm
Schlauchklemme ABA ø 44- 56/12



165156
ABA clamp 8-14 mm/9mm
Schlauchklemme ABA ø 8- 12/9



100205
clamp 17-20 mm
Schlauchklemme ø 17- 20/8 2 OHR



160493

160493
clamp 25-28 mm
Schlauchklemme ø 25- 28/9 2 OHR

162743



162743
clamp 7-9 mm
Schlauchklemme ø 7- 9/6 2 OHR



100204

100204
clamp 9-11 mm
Schlauchklemme ø 9- 11/6 2 OHR



107147

107147
clamp grey CL 20 IEC
Schelle Klemm CL20 grau
082177

12.2 Hoses in general / Schläuche allgemein



163020

163020
hose 21/15 silicone transparent
Schlauch 21/15 Silikon transparent



161512

161512
hose 5/3 PTFE (Teflon)
Schlauch 5/3 weiß Teflon



102402

102402
hose 6/4 PTFE (Teflon)
Schlauch 6/4 weiß Teflon



161489
silicon hose int. Ø3 x 1 mm
Silikonschlauch lø 3x 1 55+/-5 Shore A

12.3 Miscellaneous and accessories / Diverse und Zubehör



161262
compressed air hose \varnothing 8 R1/4" 200 mm
Druckschlauch R1/4"x200 DN 8 1.4571



162489
reinforcement bushing 10/8mm, VH8
Verstärkungshülse 10/8 DIN2353 MS



100881
tube 6,5mm/4m for air pistol
Schlauch Blaspistole \varnothing 6,5x 4m

12.4 Plastic pipes / Kunststoffrohre



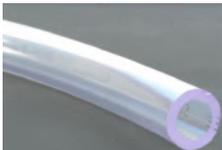
107180
hose 10/7mm, translucent blue, PU
Schlauch 10/7 blautranslucent PU



102892
hose blue 6/4 mm, PU
Schlauch 6/3,9 blautranslucent PU



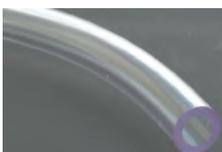
161196
hose crystal clear 10/7 mm, PUR
Schlauch 10/7 glasklar transluzent PU



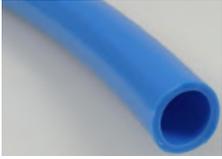
161197
hose crystal clear 12/8 mm, PUR
Schlauch 12/8 glasklar transluzent PU



161194
hose crystal clear 6/4 mm, PUR
Schlauch 6/4 glasklar transluzent PU



161195
hose crystal clear 8/5 mm, PVC
Schlauch 8/5,5 glasklar transluzent PU



161384
hose translucent blue 12/8 mm, PU
Schlauch 12/8 blautranslucent PU



161280
hose translucent blue 8/6 mm, PU
Schlauch 8/5,5 blautranslucent PU



161265
hose translucent red 10/7 mm, PU
Schlauch 10/7 rottranslucent PU



168409

168409
hose translucent red 12/8 mm, PU
Schlauch 12/8 rottranslucent PU



102694
hose translucent red 6/4 mm, PU
Schlauch 6/3,9 rottranslucent PU



102695
hose translucent red 8/6 mm, PU
Schlauch 8/5,5 rottranslucent PU



161207
hose yellow 10/7 mm, PU
Schlauch 10/7 gelbtranslucent PU



161208
hose yellow 12/8 mm, PU
Schlauch 12/8 gelbtranslucent PU



161205
hose yellow 6/4 mm, PU
Schlauch 6/3,9 gelbtranslucent PU



161206
hose yellow 8/5 mm, PU
Schlauch 8/5,5 gelbtranslucent PU

12.5 Spiral hoses / Spiralschläuche



164890
hose 1" with wire coil, transparent
Schlauch 1" NW25x 4 transp. m. Spirale



102891
hose 1/2" with wire coil, transparent
Schlauch 1/2" NW13x 3 transp. m. Spirale



102890
hose 3/4" with wire coil, transparent
Schlauch 3/4" NW20x 3 transp. m. Spirale



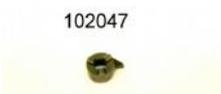
165056
hose diameter 40 mm Robaflex grey
Schlauch NW40 Spiral Robaflex grau



102362
hose diameter 50 mm Robaflex grey
Schlauch NW50 Spiral Robaflex grau

13. Milling cutters / Fräser

13.1 Indexable inserts / Wendeschneidplatten



102047
carbide plate 111.0160.00
HM Schneidplatte ø11,0 Z1 SL 1,7 TIN



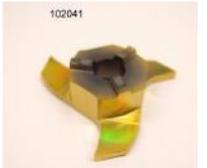
102094
carbide plate 116.1654.00
HM Schneidplatte ø20,4 Z1 SL 1,61 GF25



102093
carbide plate 116.2053.00
HM Schneidplatte ø20,4 Z1 SL 2,01 GF25



102032
carbide plate 313.0110.00
HM Schneidplatte ø21,7 Z3 SL 1,21 TIN



102041
carbide plate 328.0200.00-0,02 TN 35
HM Schneidplatte ø28,0 Z3 SL 2 R0,2 TIN



102053
holder ø 8,0 DS 12x 66 GL 95 IK HM
Klemmhalter ø 8,0 DS 12x 66 GL 95 IK HM



102055
holder ø12,0 DS 16x 58 GL100 IK HM
Klemmhalter ø12,0 DS 16x 58 GL100 IK HM

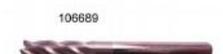


102056
holder ø12,0 DS 16x 85 GL160 IK HM
Klemmhalter ø12,0 DS 16x 85 GL160 IK HM

13.2 Milling cutters 45° / Fräser 45°



106696
milling cutter HM ø 3 SL=12 Z=4
Fräser-F ø 3x45° SL 12 GL 38 DS 3h6 Z4



106689
milling cutter HM ø 4 SL=20 Z=4
Fräser-F ø 4x45° SL 13 GL 40 DS 4h6 Z4



106690
milling cutter HM ø 5 SL=15 Z=4
Fräser-F ø 5x45° SL 15 GL 50 DS 5h6 Z4



106691
milling cutter HM \varnothing 6 SL=16 Z=4
Fräser-F \varnothing 6x45° SL 16 GL 58 DS 6h6 Z4

106692
milling cutter HM \varnothing 8 SL=22 Z=4
Fräser-F \varnothing 8x45° SL 22 GL 70 DS 8h6 Z4



106693
milling cutter HM \varnothing 10 SL=25 Z=4
Fräser-F \varnothing 10x45° SL 25 GL 73 DS10h6 Z4

106694
milling cutter HM \varnothing 12 SL=28 Z=4
Fräser-F \varnothing 12x45° SL 28 GL 84 DS12h6 Z4



106695
milling cutter HM \varnothing 14 SL=30 Z=4
Fräser-F \varnothing 14x45° SL 30 GL 84 DS14h6 Z4

13.3 Milling cutters 90° / Fräser 90°



106687
milling cutter HM \varnothing 2 SL=3 Z=4 Ds=2 be
Fräser-F \varnothing 2x90° SL 3 GL 32 DS 2h6 Z4

13.4 Milling pins / Frässtifte



105515
milling pin SD 41 spherical form
Frässtift SD 41 \varnothing 2,5x38 HM Kugelform



105512
milling pin SD 42 spherical shape
Frässtift SD 42 \varnothing 3x38 HM Kugelform



105503
milling pin SD 52 spherical shape
Frässtift SD 52 ø 4x38 HM Kugelform



105504
milling pin SG 53 pointed arch shape
Frässtift SG 53 ø 5x38 HM Spitzbogenform



105513
milling pin SH 41 flame shape
Frässtift SM 42 ø 3x38 HM Flammenform



105511
milling pin SM 42 pointed cone shape
Frässtift SM 42 ø 3x38 HM Spitzkegelform



105718
milling pin SM 43 pointed cone shape
Frässtift SM 43 ø 3x38 HM Spitzkegelform

13.5 Radius cutters / Fräser mit Radius



103314

103314
hard metal milling cutter ø 3,7R2,0
Fräser-R ø 3,7R2,0 SL 2 GL 64 DS 8h6 Z4



103312

103312
hard metal milling cutter ø 5,7R1,0
Fräser-R ø 5,7R1,0 SL 1 GL 64 DS 8h6 Z4

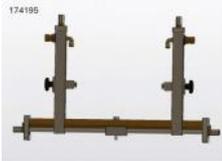


103309

103309
hard metal milling cutter ø10R3,0
Fräser-R ø10R3,0 SL 3 GL 72 DS10h6 Z4

14. PCE parts / PCE-Teile

14.1 Adjustment unit / Verstelleinheit



174195
RED.PCE stand for 2 bars width=415
RED.PCE-Verstell-EH Leiste 2 Turm B=415



174193
RED.PCE stand for 2 dies width=415
RED.PCE-Verstell-EH Düse 2 Turm B=415



173819
hand crank straight GN471.1-50-B10
Handkurbel gerade GN471.1-50-B10



163225
stand for PCE die, left and right hand
Verstelleinheit PT.PCE links+rechts



163224
stand for PCE die, right hand
Verstelleinheit PT.PCE rechts

14.2 Clamping flange and cross head / Klappflansch und Winkelkopf



162886
PCE clamping flange assembled 198-45_0
Klappflansch PCE ø198 montiert



102736
PCE flange 115HW_0 ø115 x 25
Flansch PT.PCE ø115x 25 115HW



101175
Y-block 120_0 for cross head
Y-Verteiler PT.PCE ø120x100



161217
Y-block120_1 for clamping flange
Y-Verteiler PT.PCE ø120x125 Klappf

14.3 Die and accessories / Düse und Düsenzubehör



163140

163140
PCE connection 16x42x10 mm
Verbindungsstück PT.PCE 10x16x42



163245

163245
PCE connection 16x42x22 mm
Verbindungsstück PT.PCE 16x22x42



174468
tuning sleeve RED PCE Aø14_lø3xL=15
Abstimmhülse RED PCE Aø14_lø3xL=15



174469
tuning sleeve RED PCE Aø14_lø4xL=15
Abstimmhülse RED PCE Aø14_lø4xL=15



174470
tuning sleeve RED PCE Aø14_lø5xL=15
Abstimmhülse RED PCE Aø14_lø5xL=15



174478
tuning sleeve RED PCE Aø14_lø6xL=15
Abstimmhülse RED PCE Aø14_lø6xL=15



173930
tuning sleeve RED PCE Aø14_lø7xL=15
Abstimmhülse RED PCE Aø14_lø7xL=15



174479
tuning sleeve RED PCE Aø14_lø8xL=15
Abstimmhülse RED PCE Aø14_lø8xL=15



173929
tuning sleeve RED PCE Aø14_lø9xL=15
Abstimmhülse RED PCE Aø14_lø9xL=15

14.4 Die connection parts / Düsenanschlußteile



161218
PCE adapter 105-86 ø105x86 M30x2
Adapter PT.PCE ø105x 86



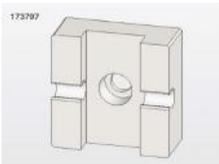
161588
PCE adapter 105-WK ø105x60mm
Adapter PT.PCE ø105x 60 Winkelkopf



102729
PCE adapter 16-12_0 ø30x65 mm
Adapter PT.PCE ø 30x 65 16-12



101169
PCE adapter 16-16_0 ø30x59 mm
Adapter PT.PCE ø 30x 59 16-16



173797
PCE adapter PT RT 26x 60x 60
Adapter PT RT PCE 26x 60x 60



167219
PCE breaker plate ø49 x 15
Brecherplatte PT.PCE ø 49x 15



161301
PCE funnel adapter 40-30 Ø49*29
Lochbuchse PT.PCE ø49x 29 GCE40



168476
PCE funnel adaptor 25 Ø49*40
Lochbuchse PT.PCE ø49x 40 GCE25



168477
PCE funnel adaptor 25-30 Ø49*29
Lochbuchse PT.PCE ø49x 29 GCE25



161299
PCE funnel adaptor 30_1 ø49x40 f. GCE 30
Lochbuchse PT.PCE ø49x 40 GCE30



161300
PCE funnel adaptor 40-30_1 ø49x40
Lochbuchse PT.PCE ø49x 40 GCE40



166965
half shell for repair flange M30x2
Heizschlauchteil PCE ø66x 7 M30 Teil2



166964
repair flange M30 x 2 for heating tube
Heizschlauchteil PCE ø72x 25 M30 Teil1

14.5 Heating and hot air / Heizung und Heißluft



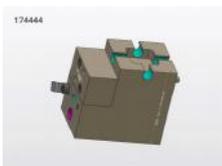
176471
Control Cabinet RED.PCEplus
Regelschrank RED.PCE plus montiert



165682
PCE holder 3/8" for heat gun Leister
Leisteraufnahme PT.PCE 3/8" ø48x77



165289
PCE nut R3/8"
Mutter PT.PCE R3/8" x 5 SW19



174444
RED.PCE heater block unit M12x1 Ø14
RED.PCE Heizblockeinheit M12x1 Ø14



173959
RED.PCE heater block unit M14x1.5 Ø14
RED.PCE Heizblockeinheit M14x1.5 Ø14 R



171656
bracket heat. cartr. warn. sign 37x13x23
Haltebügel Heizpatrone Warnsc 37x13x23,5



101180
heater band for PCE-Y-block 120
Heizband ø120x65 für Y-Verteiler

15. Plugs and stoppers / Stopfen und Stoppel

15.1 Brass plugs / Messingstopfen



173657
Stopfen M 6x5,3 MS58 mit O-Ring
Stopfen M 6x5,3 MS58 mit O-Ring

166590



166590
brass stopper 1/4"
Stopfen G 1/4"x 10 DIN906 ISK7 MS



170167
brass stopper 1/4" cylindrical with coll
Stopfen G 1/4"x 15 mit Bund ISK6 MS

170167



170320
brass stopper 3/8" cylindrical with coll
Stopfen G 3/8"x 15 mit Bund ISK8 MS

170320



102848
brass stopper R 1/2"
Stopfen G 1/2"x 10 DIN906 ISK10 MS



166585
brass stopper R 3/8 coated
Stopfen G 3/8"x 10 ISK8 MS vern.



163719
plug M8 x 0,75 x 5 with O-ring ISK4 MS
Stopfen M 8x0,75 x 5 mit O-Ring ISK4 MS



162134
plug R 1/8" x 4 MS
Stopfen R 1/8" x 4 MS



106554
plug R1/8"x 5 mit O-Ring ISK4 MS
Stopfen R1/8"x 5 mit O-Ring ISK4 MS



164106
special cooling plug M5 x 13
Stopfen M 5x13 SO Ausgang



106166
special cooling plug M6 x 12, Ø4,8
Stopfen M 6x12 SO Ausgang Ø4,8



162843
special cooling plug M6 x 13
Stopfen M 6x13 Sonderk,2 SOAUS MS



106136
special cooling plug M8 x 12
Stopfen M 8x12 SO Ausgang Ø6,6



106137
special cooling plug R1/8" x 12
Stopfen R1/8"x12 SO Ausgang



166904
stopper R1/4", with collar
Stopfen G 1/4"x 19 mit Bund ISK6 MS vern

15.2 Copper plugs / Kupferstopfen



162146
Plug Aø 2,0xAø 2,6x 6 con. CU
Stopfen Aø 2,0xAø 2,6x 6 kon. CU



162147
Plug Aø 2,5xAø 3,1x 6 con. CU
Stopfen Aø 2,5xAø 3,1x 6 kon. CU



102942
Plug Aø 3,0xAø 3,8x 6 con. CU
Stopfen Aø 3,0xAø 3,8x 6 kon. CU



102943
Plug Aø 4,0xAø 4,8x 6 con. CU
Stopfen Aø 4,0xAø 4,8x 6 kon. CU



162186
copper stopper ø1,5 conical
Stopfen Aø 1,5xAø 2,1x 6 kon. CU



102944
copper stopper ø5,0 conical
Stopfen Aø 5,0xAø 5,8x 6 kon. CU



102940
copper stopper ø6,5 conical
Stopfen Aø 6,5xAø 5,8x10 kon. CU



102939
copper stopper Aø 8,5xAø 7,8x10 con. CU
Stopfen Aø 8,5xAø 7,8x10 kon. CU



102938
copper stopper Aø10,5xAø 9,8x10 con. CU
Stopfen Aø10,5xAø 9,8x10 kon. CU



165158
copper stopper \varnothing 6,0 x 3mm cylindrical
Stopfen \varnothing 6,0x 3 zylindrisch CU

15.3 Plastic plugs / Kunststoffstopfen



106427
cap stopper H 2B - int. \varnothing 10 - ext. \varnothing 14,4
Hutstopfen \varnothing 10x \varnothing 14,4x5,5 PE transp.



105205
cap stopper H 7A - int. \varnothing 16,8 - ext. \varnothing 24,6
Hutstopfen \varnothing 16,8x \varnothing 24,6x9 PE transp.



162323
plug KAPSTO G 1/2" HDPE red
Stopfen KAPSTO G 1/2" HDPE rot



106333
plug with O-ring M8 x 0,75
Stopfen M 8x0,75 x 5 mit O-Ring ISK4 POM



105483
sealing stopper KST R1/4"
Stopfen R 1/4" Kunststoff



169068
threaded plug 3/4" red
Stopfen KAPSTO G 3/4" HDPE rot



161193
threaded plug 3/8" red
Stopfen KAPSTO G 3/8" HDPE rot

15.4 Protective caps / Abdeckkappen



163522

163522
cover cap PE M7 x 10 black
Abdeckkappe für M 7 Aø10 PE schwarz



163415

163415
cover cap PE M7 x 10 white
Abdeckkappe für M 6 Aø10 PE weiß



163521

163521
cover cap PE M7 x 13 black
Abdeckkappe für M 7 Aø13 PE schwarz

15.5 Redirect plugs / Umlenkstopfen



101773

101773
turn around plug ø10 short
Stoppel Klemm WV ø10x 10 kurz



101771

101771
turn around plug ø6 short
Stoppel Klemm WV ø 6x 10 kurz



105354

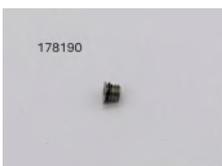
105354
turn around plug ø8 short
Stoppel Klemm WV ø 8x 10 kurz

15.6 Steel plugs / Stahlstopfen



163167

163167
Plug R 1/8" x 4,5
Stopfen R 1/8" x 4,5



178190

178190
Stopfen M 6x5.3 Stahl mit O-Ring
Stopfen M 6x5.3 Stahl mit O-Ring

164299



164299

Stopfen M12x13 SO Ausgang
Stopfen M12x13 SO Ausgang

178564



178564

Stopfen RTx.0 M12x1 x15,2 ISK4 Stahl
Stopfen RTx.0 M12x1 x15,2 ISK4 Stahl

181637



181637

grub screw M 5x 5 A2 coated
Stopfen M 5x 5 ISK A2 Tuflok besch.

176627



176627

grub screw M 6x 4 DIN913 A2 coated
Stopfen M 6x 4 ISK A2 Tuflok besch.

165350



165350

grub screw M 8x 6 DIN913 A2 coated
Stopfen M 8x 6 ISK A2 Tuflok besch.

103042



103042

grub screw M 8x 8 DIN913 A2 coated
Stopfen M 8x 8 ISK A2 Tuflok besch.



161605

grub screw with thread coated M12x12 A2
Stopfen M 12x12 ISK A2 Tuflok besch.



162891

stopper G 1/4" x 7 mm A2, coated thread
Stopfen G 1/4"x 7 ISK7 A2 Tuflok besch



178244

stopper R1/8" x 7 mm A2
Stopfen G 1/8"x 7 ISK5 A2

178244



162892

stopper R1/8" x 7 mm A2, Tuflok coating
Stopfen R 1/8"x 7 ISK5 A2 Tuflok besch

16. Pneumatics / Pneumatik

16.1 Fittings / Verschraubungen



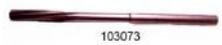
107090
elbow fitting 10/8-1/4" with seal
Steckverschr. Winkel G 1/4"-ø10 drehbar

17. Reamers / Reibahlen

17.1 Machine reamers / Maschinenreibahlen



103072
reamer HM ø 3
Reibahle ø 3H7 HM SL= 22 DS 3 DIN 8093B



103073
reamer HM ø 4
Reibahle ø 4H7 HM SL= 44 DS 4 DIN 8093B



103075
reamer HM ø 6
Reibahle ø 6H7 HM SL= 57 DS 6 DIN 8093B



103077
reamer HM ø 8
Reibahle ø 8H7 HM SL= 76 DS 8 DIN 8093B



103081
reamer HSS ø 3
Reibahle ø 3H7 HSS SL= 29 DS 3 DIN 212



103082
reamer HSS ø 4
Reibahle ø 4H7 HSS SL= 46 DS 4 DIN 212



103085
reamer HSS ø 6
Reibahle ø 6H7 HSS SL= 56 DS 6 DIN 212



103265
reamer HSS ø 8
Reibahle ø 8H7 HSS SL= 80 DS 8 DIN 212

17.2 Special (PAE, GET.LOCK, etc.) / Sonder (PAE, GET.LOCK, etc.)



164126
reamer HSS ø 2 CONE 1:50 SL= 48 DS 3.15
Reibahle ø 2 KEGEL 1:50 SL= 48 DS 3,15



160426
taper reamer 10° f.PAE positioning pins
Konusreibahle PAE ø12 10°



162036
taper reamer GET LOCK adjusted
Konusreibahle Get Lock abgestimmt

18. Screws / Schrauben

18.1 Allen screws 12.9 / Inbusschrauben 12.9



176878
allen wrench screw 10.9 12 x 65 DIN 912
Inbusschraube M12x 65 DIN912 12.9



177014
allen wrench screw 10.9 12 x 70 DIN 912
Inbusschraube M12x 70 DIN912 12.9



176879

176879
allen wrench screw 10.9 6 x 16 DIN 912
Inbusschraube M 6x 16 DIN912 12.9



163492

163492
allen wrench screw 12.9 6 x 70 DIN 912
Inbusschraube M 6x 70 DIN912 12.9



163508

163508
allen wrench screw 12.9 6 x 75 DIN 912
Inbusschraube M 6x 75 DIN912 12.9



165613

165613
allen wrench screw 12.9 6 x 85 DIN 912
Inbusschraube M 6x 85 DIN912 12.9



163493

163493
allen wrench screw 12.9 6 x 90 DIN 912
Inbusschraube M 6x 90 DIN912 12.9



165672

165672
allen wrench screw 12.9 6 x 95 DIN 912
Inbusschraube M 6x 95 DIN912 12.9



163494

163494
allen wrench screw 12.9 6 x 100 DIN 912
Inbusschraube M 6x100 DIN912 12.9



163782

163782
allen wrench screw 12.9 6 x 110 DIN 912
Inbusschraube M 6x110 DIN912 12.9



163495

163495
allen wrench screw 12.9 6 x 120 DIN 912
Inbusschraube M 6x120 DIN912 12.9



165017

165017
allen wrench screw 12.9 6 x 130 DIN 912
Inbusschraube M 6x130 DIN912 12.9



163541
allen wrench screw 12.9 6 x 140 DIN 912
Inbusschraube M 6x140 DIN912 12.9



164215
allen wrench screw 12.9 6 x 150 DIN 912
Inbusschraube M 6x150 DIN912 12.9



167218
allen wrench screw 12.9 6 x 190 DIN 912
Inbusschraube M 6x190 DIN912 12.9



162964
allen wrench screw 12.9 8 x 70 DIN 912
Inbusschraube M 8x 70 DIN912 12.9



163509
allen wrench screw 12.9 8 x 75 DIN 912
Inbusschraube M 8x 75 DIN912 12.9



163356
allen wrench screw 12.9 8 x 90 DIN 912
Inbusschraube M 8x 90 DIN912 12.9



163752
allen wrench screw 12.9 8 x 100 DIN 912
Inbusschraube M 8x100 DIN912 12.9



165653
allen wrench screw 12.9 8 x 110 DIN 912
Inbusschraube M 8x110 DIN912 12.9



163722
allen wrench screw 12.9 8 x 120 DIN 912
Inbusschraube M 8x120 DIN912 12.9



165046
allen wrench screw 12.9 8 x 130 DIN 912
Inbusschraube M 8x130 DIN912 12.9



163542
allen wrench screw 12.9 8 x 140 DIN 912
Inbusschraube M 8x140 DIN912 12.9



165300
allen wrench screw 12.9 8 x 160 DIN 912
Inbusschraube M 8x160 DIN912 12.9



169022
allen wrench screw 12.9 8 x 170 DIN 912
Inbusschraube M 8x170 DIN912 12.9



164550
allen wrench screw 12.9 8 x 190 DIN 912
Inbusschraube M 8x190 DIN912 12.9



165305
allen wrench screw 12.9 8 x 210 DIN 912
Inbusschraube M 8x210 DIN912 12.9



163723
allen wrench screw 12.9 8 x 80 DIN 912
Inbusschraube M 8x 80 DIN912 12.9



166391
allen wrench screw 12.9 10 x 20 DIN 912
Inbusschraube M10x 20 DIN912 12.9



163371
allen wrench screw 12.9 10 x 25 DIN 912
Inbusschraube M10x 25 DIN912 12.9



167270
allen wrench screw 12.9 10 x 30 DIN 912
Inbusschraube M10x 30 DIN912 12.9



163496
allen wrench screw 12.9 10 x 35 DIN 912
Inbusschraube M10x 35 DIN912 12.9



163497

163497
allen wrench screw 12.9 10 x 40 DIN 912
Inbusschraube M10x 40 DIN912 12.9



165209

165209
allen wrench screw 12.9 10 x 45 DIN 912
Inbusschraube M10x 45 DIN912 12.9



163816

163816
allen wrench screw 12.9 10 x 60 DIN 912
Inbusschraube M10x 60 DIN912 12.9



166392

166392
allen wrench screw 12.9 10 x 65 DIN 912
Inbusschraube M10x 65 DIN912 12.9



163781

163781
allen wrench screw 12.9 10 x 75 DIN 912
Inbusschraube M10x 75 DIN912 12.9



167275

167275
allen wrench screw 12.9 10 x 80 DIN 912
Inbusschraube M10x 80 DIN912 12.9



163640

163640
allen wrench screw 12.9 10 x 100 DIN 912
Inbusschraube M10x100 DIN912 12.9



163978

163978
allen wrench screw 12.9 10 x 110 DIN 912
Inbusschraube M10x110 DIN912 12.9



164331

164331
allen wrench screw 12.9 10 x 120 DIN 912
Inbusschraube M10x120 DIN912 12.9



165016

165016
allen wrench screw 12.9 10 x 130 DIN 912
Inbusschraube M10x130 DIN912 12.9



168448
allen wrench screw 12.9 10 x 140 DIN 912
Inbusschraube M10x140 DIN912 12.9



162957
allen wrench screw 12.9 10 x 150 DIN 912
Inbusschraube M10x150 DIN912 12.9



163498
allen wrench screw 12.9 10 x 160 DIN 912
Inbusschraube M10x160 DIN912 12.9



163499
allen wrench screw 12.9 10 x 170 DIN 912
Inbusschraube M10x170 DIN912 12.9



165765
allen wrench screw 12.9 10 x 190 DIN 912
Inbusschraube M10x190 DIN912 12.9



173612
allen wrench screw 12.9 10 x 230 DIN 912
Inbusschraube M10x230 DIN912 12.9



176922
allen wrench screw 12.9 10 x 50 DIN 912
Inbusschraube M10x 50 DIN912 12.9



174811
allen wrench screw 12.9 10 x 55 DIN 912
Inbusschraube M10x 55 DIN912 12.9



165106
allen wrench screw 12.9 10 x 90 DIN 912
Inbusschraube M10x 90 DIN912 12.9



163500
allen wrench screw 12.9 12 x 35 DIN 912
Inbusschraube M12x 35 DIN912 12.9



163501
allen wrench screw 12.9 12 x 40 DIN 912
Inbusschraube M12x 40 DIN912 12.9



163673
allen wrench screw 12.9 12 x 45 DIN 912
Inbusschraube M12x 45 DIN912 12.9



166128
allen wrench screw 12.9 12 x 50 DIN 912
Inbusschraube M12x 50 DIN912 12.9



163742
allen wrench screw 12.9 12 x 55 DIN 912
Inbusschraube M12x 55 DIN912 12.9



165021
allen wrench screw 12.9 12 x 60 DIN 912
Inbusschraube M12x 60 DIN912 12.9



163510
allen wrench screw 12.9 12 x 75 DIN 912
Inbusschraube M12x 75 DIN912 12.9



163515
allen wrench screw 12.9 12 x 85 DIN 912
Inbusschraube M12x 85 DIN912 12.9



165009
allen wrench screw 12.9 12 x 90 DIN 912
Inbusschraube M12x 90 DIN912 12.9



163653
allen wrench screw 12.9 12 x 95 DIN 912
Inbusschraube M12x 95 DIN912 12.9



163502
allen wrench screw 12.9 12 x 100 DIN 912
Inbusschraube M12x100 DIN912 12.9



163503
allen wrench screw 12.9 12 x 110 DIN 912
Inbusschraube M12x110 DIN912 12.9



164288
allen wrench screw 12.9 12 x 120 DIN 912
Inbusschraube M12x120 DIN912 12.9



163684
allen wrench screw 12.9 12 x 130 DIN 912
Inbusschraube M12x130 DIN912 12.9



164427
allen wrench screw 12.9 12 x 140 DIN 912
Inbusschraube M12x140 DIN912 12.9



163511
allen wrench screw 12.9 12 x 150 DIN 912
Inbusschraube M12x150 DIN912 12.9



163504
allen wrench screw 12.9 12 x 160 DIN 912
Inbusschraube M12x160 DIN912 12.9



163505
allen wrench screw 12.9 12 x 170 DIN 912
Inbusschraube M12x170 DIN912 12.9



163867
allen wrench screw 12.9 12 x 180 DIN 912
Inbusschraube M12x180 DIN912 12.9



163512
allen wrench screw 12.9 12 x 190 DIN 912
Inbusschraube M12x190 DIN912 12.9



164942
allen wrench screw 12.9 12 x 20 DIN 912
Inbusschraube M12x 20 DIN912 12.9



165313
allen wrench screw 12.9 12 x 200 DIN 912
Inbusschraube M12x200 DIN912 12.9



165671
allen wrench screw 12.9 12 x 210 DIN 912
Inbusschraube M12x210 DIN912 12.9



170951
allen wrench screw 12.9 12 x 220 DIN 912
Inbusschraube M12x220 DIN912 12.9



166966
allen wrench screw 12.9 12 x 230 DIN 912
Inbusschraube M12x230 DIN912 12.9



166273
allen wrench screw 12.9 12 x 25 DIN 912
Inbusschraube M12x 25 DIN912 12.9



163431
allen wrench screw 12.9 12 x 30 DIN 912
Inbusschraube M12x 30 DIN912 12.9



176949
allen wrench screw 12.9 12 x 80 DIN 912
Inbusschraube M12x 80 DIN912 12.9



163365
allen wrench screw 12.9 14 x 110 DIN 912
Inbusschraube M14x110 DIN912 12.9



171922
allen wrench screw 12.9 14 x 120 DIN 912
Inbusschraube M14x120 DIN912 12.9



171797
allen wrench screw 12.9 14 x 130 DIN 912
Inbusschraube M14x130 DIN912 12.9



162595
allen wrench screw 12.9 16 x 100 DIN 912
Inbusschraube M16x100 DIN912 12.9



162596
allen wrench screw 12.9 16 x 110 DIN 912
Inbusschraube M16x110 DIN912 12.9



162597
allen wrench screw 12.9 16 x 120 DIN 912
Inbusschraube M16x120 DIN912 12.9



162598
allen wrench screw 12.9 16 x 130 DIN 912
Inbusschraube M16x130 DIN912 12.9



162599
allen wrench screw 12.9 16 x 140 DIN 912
Inbusschraube M16x140 DIN912 12.9



162600
allen wrench screw 12.9 16 x 150 DIN 912
Inbusschraube M16x150 DIN912 12.9



162601
allen wrench screw 12.9 16 x 160 DIN 912
Inbusschraube M16x160 DIN912 12.9



162421
allen wrench screw 12.9 16 x 170 DIN 912
Inbusschraube M16x170 DIN912 12.9



162602
allen wrench screw 12.9 16 x 180 DIN 912
Inbusschraube M16x180 DIN912 12.9



162603
allen wrench screw 12.9 16 x 190 DIN 912
Inbusschraube M16x190 DIN912 12.9



162604
allen wrench screw 12.9 16 x 200 DIN 912
Inbusschraube M16x200 DIN912 12.9



162621
allen wrench screw 12.9 16 x 210 DIN 912
Inbusschraube M16x210 DIN912 12.9



162605
allen wrench screw 12.9 16 x 220 DIN 912
Inbusschraube M16x220 DIN912 12.9



162606
allen wrench screw 12.9 16 x 230 DIN 912
Inbusschraube M16x230 DIN912 12.9



163066
allen wrench screw 12.9 16 x 240 DIN 912
Inbusschraube M16x240 DIN912 12.9



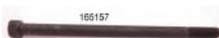
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allen wrench screw 12.9 16 x 250 DIN 912
Inbusschraube M16x250 DIN912 12.9



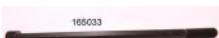
163506
allen wrench screw 12.9 16 x 260 DIN 912
Inbusschraube M16x260 DIN912 12.9



163649
allen wrench screw 12.9 16 x 270 DIN 912
Inbusschraube M16x270 DIN912 12.9



165157
allen wrench screw 12.9 16 x 280 DIN 912
Inbusschraube M16x280 DIN912 12.9



165033
allen wrench screw 12.9 16 x 290 DIN 912
Inbusschraube M16x290 DIN912 12.9



164305
allen wrench screw 12.9 16 x 30 DIN 912
Inbusschraube M16x 30 DIN912 12.9



165101
allen wrench screw 12.9 16 x 310 DIN 912
Inbusschraube M16x310 DIN912 12.9



162465
allen wrench screw 12.9 16 x 35 DIN 912
Inbusschraube M16x 35 DIN912 12.9



162589
allen wrench screw 12.9 16 x 40 DIN 912
Inbusschraube M16x 40 DIN912 12.9



164631
allen wrench screw 12.9 16 x 45 DIN 912
Inbusschraube M16x 45 DIN912 12.9



162590
allen wrench screw 12.9 16 x 50 DIN 912
Inbusschraube M16x 50 DIN912 12.9



162591
allen wrench screw 12.9 16 x 60 DIN 912
Inbusschraube M16x 60 DIN912 12.9



168986
allen wrench screw 12.9 16 x 65 DIN 912
Inbusschraube M16x 65 DIN912 12.9



162592
allen wrench screw 12.9 16 x 70 DIN 912
Inbusschraube M16x 70 DIN912 12.9



167650
allen wrench screw 12.9 16 x 80 DIN 912
Inbusschraube M16x 85 DIN912 12.9



162593
allen wrench screw 12.9 16 x 80 DIN 912
Inbusschraube M16x 80 DIN912 12.9



162594
allen wrench screw 12.9 16 x 90 DIN 912
Inbusschraube M16x 90 DIN912 12.9



162422
allen wrench screw 12.9 20 x 100 DIN 912
Inbusschraube M20x100 DIN912 12.9



162423
allen wrench screw 12.9 20 x 110 DIN 912
Inbusschraube M20x110 DIN912 12.9



162613
allen wrench screw 12.9 20 x 120 DIN 912
Inbusschraube M20x120 DIN912 12.9



162443
allen wrench screw 12.9 20 x 130 DIN 912
Inbusschraube M20x130 DIN912 12.9



162467
allen wrench screw 12.9 20 x 140 DIN 912
Inbusschraube M20x140 DIN912 12.9



162468
allen wrench screw 12.9 20 x 150 DIN 912
Inbusschraube M20x150 DIN912 12.9



162469
allen wrench screw 12.9 20 x 160 DIN 912
Inbusschraube M20x160 DIN912 12.9



162470
allen wrench screw 12.9 20 x 170 DIN 912
Inbusschraube M20x170 DIN912 12.9



162444
allen wrench screw 12.9 20 x 180 DIN 912
Inbusschraube M20x180 DIN912 12.9



162425
allen wrench screw 12.9 20 x 190 DIN 912
Inbusschraube M20x190 DIN912 12.9



162426
allen wrench screw 12.9 20 x 200 DIN 912
Inbusschraube M20x200 DIN912 12.9



162614
allen wrench screw 12.9 20 x 210 DIN 912
Inbusschraube M20x210 DIN912 12.9



162615
allen wrench screw 12.9 20 x 220 DIN 912
Inbusschraube M20x220 DIN912 12.9



162427
allen wrench screw 12.9 20 x 230 DIN 912
Inbusschraube M20x230 DIN912 12.9



162428
allen wrench screw 12.9 20 x 240 DIN 912
Inbusschraube M20x240 DIN912 12.9



162429
allen wrench screw 12.9 20 x 250 DIN 912
Inbusschraube M20x250 DIN912 12.9



162616
allen wrench screw 12.9 20 x 260 DIN 912
Inbusschraube M20x260 DIN912 12.9



162619
allen wrench screw 12.9 20 x 270 DIN 912
Inbusschraube M20x270 DIN912 12.9



162617
allen wrench screw 12.9 20 x 280 DIN 912
Inbusschraube M20x280 DIN912 12.9



162620
allen wrench screw 12.9 20 x 290 DIN 912
Inbusschraube M20x290 DIN912 12.9



162618
allen wrench screw 12.9 20 x 300 DIN 912
Inbusschraube M20x300 DIN912 12.9



164502
allen wrench screw 12.9 20 x 310 DIN 912
Inbusschraube M20x310 DIN912 12.9



169143
allen wrench screw 12.9 20 x 320 DIN 912
Inbusschraube M20x320 DIN912 12.9



168679
allen wrench screw 12.9 20 x 340 DIN 912
Inbusschraube M20x340 DIN912 12.9



162607
allen wrench screw 12.9 20 x 40 DIN 912
Inbusschraube M20x 40 DIN912 12.9



181225
allen wrench screw 12.9 20 x 45 DIN 912
Inbusschraube M20x 45 DIN912 12.9



162608
allen wrench screw 12.9 20 x 50 DIN 912
Inbusschraube M20x 50 DIN912 12.9



162609
allen wrench screw 12.9 20 x 60 DIN 912
Inbusschraube M20x 60 DIN912 12.9



166280
allen wrench screw 12.9 20 x 65 DIN 912
Inbusschraube M20x 65 DIN912 12.9



162610
allen wrench screw 12.9 20 x 70 DIN 912
Inbusschraube M20x 70 DIN912 12.9



162011
allen wrench screw 12.9 20 x 80 DIN 912
Inbusschraube M20x 80 DIN912 12.9



162612
allen wrench screw 12.9 20 x 90 DIN 912
Inbusschraube M20x 90 DIN912 12.9



167303
allen wrench screw 12.9 24 x 100 DIN 912
Inbusschraube M24x100 DIN912 12.9



166386
allen wrench screw 12.9 24 x 110 DIN 912
Inbusschraube M24x110 DIN912 12.9



169369
allen wrench screw 12.9 24 x 120 DIN 912
Inbusschraube M24x120 DIN912 12.9



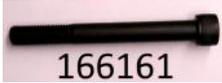
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allen wrench screw 12.9 24 x 130 DIN 912
Inbusschraube M24x130 DIN912 12.9



166387
allen wrench screw 12.9 24 x 170 DIN 912
Inbusschraube M24x170 DIN912 12.9



169723
allen wrench screw 12.9 24 x 190 DIN 912
Inbusschraube M24x190 DIN912 12.9



166161
allen wrench screw 12.9 24 x 210 DIN 912
Inbusschraube M24x210 DIN912 12.9



169809
allen wrench screw 12.9 24 x 220 DIN 912
Inbusschraube M24x220 DIN912 12.9



181583
allen wrench screw 12.9 24 x 230 DIN 912
Inbusschraube M24x230 DIN912 12.9



180229
allen wrench screw 12.9 24 x 240 DIN 912
Inbusschraube M24x240 DIN912 12.9



181224
allen wrench screw 12.9 24 x 260 DIN 912
Inbusschraube M24x260 DIN912 12.9



166162
allen wrench screw 12.9 24 x 300 DIN 912
Inbusschraube M24x300 DIN912 12.9



165189
allen wrench screw 12.9 24 x 310 DIN 912
Inbusschraube M24x310 DIN912 12.9



166160
allen wrench screw 12.9 24 x 50 DIN 912
Inbusschraube M24x 50 DIN912 12.9



169368
allen wrench screw 12.9 24 x 90 DIN 912
Inbusschraube M24x 90 DIN912 12.9



178273
allen wrench screw 12.9 3 x 20 DIN 912
Inbusschraube M 3x 20 DIN912 12.9



177012
allen wrench screw 12.9 3 x 25 DIN 912
Inbusschraube M 3x 25 DIN912 12.9



162507
allen wrench screw 12.9 3 x 30 DIN 912
Inbusschraube M 3x 30 DIN912 12.9



182640
allen wrench screw 12.9 3 x 35 DIN 912
Inbusschraube M 3x 35 DIN912 12.9



166389
allen wrench screw 12.9 3 x 40 DIN 912
Inbusschraube M 3x 40 DIN912 12.9



162445
allen wrench screw 12.9 3 x 45 DIN 912
Inbusschraube M 3x 45 DIN912 12.9



166983
allen wrench screw 12.9 30 x 110 DIN 912
Inbusschraube M30x110 DIN912 12.9



165890
allen wrench screw 12.9 30 x 120 DIN 912
Inbusschraube M30x120 DIN912 12.9



164419
allen wrench screw 12.9 30 x 140 DIN 912
Inbusschraube M30x140 DIN912 12.9



166278
allen wrench screw 12.9 30 x 150 DIN 912
Inbusschraube M30x150 DIN912 12.9



168878
allen wrench screw 12.9 30 x 160 DIN 912
Inbusschraube M30x160 DIN912 12.9



166952
allen wrench screw 12.9 30 x 180 DIN 912
Inbusschraube M30x180 DIN912 12.9



166664
allen wrench screw 12.9 30 x 230 DIN 912
Inbusschraube M30x230 DIN912 12.9



166921
allen wrench screw 12.9 30 x 250 DIN 912
Inbusschraube M30x250 DIN912 12.9



166531
allen wrench screw 12.9 30 x 280 DIN 912
Inbusschraube M30x280 DIN912 12.9



166717
allen wrench screw 12.9 36 x 250 DIN 912
Inbusschraube M36x250 DIN912 12.9



166718
allen wrench screw 12.9 36 x 280 DIN 912
Inbusschraube M36x280 DIN912 12.9



162446
allen wrench screw 12.9 4 x 12 DIN 912
Inbusschraube M 4x 12 DIN912 12.9



170321

170321
allen wrench screw 12.9 4 x 16 DIN 912
Inbusschraube M 4x 16 DIN912 12.9



162447

162447
allen wrench screw 12.9 4 x 22 DIN 912
Inbusschraube M 4x 22 DIN912 12.9



162448

162448
allen wrench screw 12.9 4 x 25 DIN 912
Inbusschraube M 4x 25 DIN912 12.9



162449
allen wrench screw 12.9 4 x 30 DIN 912
Inbusschraube M 4x 30 DIN912 12.9



162450
allen wrench screw 12.9 4 x 35 DIN 912
Inbusschraube M 4x 35 DIN912 12.9



165011
allen wrench screw 12.9 4 x 40 DIN 912
Inbusschraube M 4x 40 DIN912 12.9



169315
allen wrench screw 12.9 4 x 50 DIN 912
Inbusschraube M 4x 50 DIN912 12.9



165010
allen wrench screw 12.9 4 x 60 DIN 912
Inbusschraube M 4x 60 DIN912 12.9



169362
allen wrench screw 12.9 4 x 90 DIN 912
Inbusschraube M 4x 90 DIN912 12.9



167221
allen wrench screw 12.9 5 x 10 DIN 912
Inbusschraube M 5x 10 DIN912 12.9



170636
allen wrench screw 12.9 5 x 100 DIN 912
Inbusschraube M 5x100 DIN912 12.9



165012
allen wrench screw 12.9 5 x 110 DIN 912
Inbusschraube M 5x110 DIN912 12.9



180270
allen wrench screw 12.9 5 x 12 DIN 912
Inbusschraube M 5x 12 DIN912 12.9



163725
allen wrench screw 12.9 5 x 120 DIN 912
Inbusschraube M 5x120 DIN912 12.9



162452
allen wrench screw 12.9 5 x 25 DIN 912
Inbusschraube M 5x 25 DIN912 12.9



162453
allen wrench screw 12.9 5 x 30 DIN 912
Inbusschraube M 5x 30 DIN912 12.9



162454
allen wrench screw 12.9 5 x 40 DIN 912
Inbusschraube M 5x 40 DIN912 12.9



166738
allen wrench screw 12.9 5 x 60 DIN 912
Inbusschraube M 5x 60 DIN912 12.9



163491
allen wrench screw 12.9 5 x 70 DIN 912
Inbusschraube M 5x 70 DIN912 12.9



164291
allen wrench screw 12.9 5 x 80 DIN 912
Inbusschraube M 5x 80 DIN912 12.9



176925
allen wrench screw 12.9 6 x 20 DIN 912
Inbusschraube M 6x 20 DIN912 12.9



176865
allen wrench screw 12.9 6 x 25 DIN 912
Inbusschraube M 6x 25 DIN912 12.9



162455
allen wrench screw 12.9 6 x 30 DIN 912
Inbusschraube M 6x 30 DIN912 12.9

162456



162456
allen wrench screw 12.9 6 x 35 DIN 912
Inbusschraube M 6x 35 DIN912 12.9

162457



162457
allen wrench screw 12.9 6 x 40 DIN 912
Inbusschraube M 6x 40 DIN912 12.9

162458



162458
allen wrench screw 12.9 6 x 45 DIN 912
Inbusschraube M 6x 45 DIN912 12.9

165133



165133
allen wrench screw 12.9 6 x 45 DIN 912
Inbusschraube M 6x 60 DIN912 12.9



176921

176921
allen wrench screw 12.9 6 x 50 DIN 912
Inbusschraube M 6x 50 DIN912 12.9



177029

177029
allen wrench screw 12.9 6 x 55 DIN 912
Inbusschraube M 6x 55 DIN912 12.9

165110



165110
allen wrench screw 12.9 8 x 150 DIN 912
Inbusschraube M 8x150 DIN912 12.9



162438

162438
allen wrench screw 12.9 8 x 16 DIN 912
Inbusschraube M 8x 16 DIN912 12.9



162439
allen wrench screw 12.9 8 x 20 DIN 912
Inbusschraube M 8x 20 DIN912 12.9

162460



162460
allen wrench screw 12.9 8 x 25 DIN 912
Inbusschraube M 8x 25 DIN912 12.9



162440

162440
allen wrench screw 12.9 8 x 30 DIN 912
Inbusschraube M 8x 30 DIN912 12.9



162462

162462
allen wrench screw 12.9 8 x 35 DIN 912
Inbusschraube M 8x 35 DIN912 12.9



162441

162441
allen wrench screw 12.9 8 x 40 DIN 912
Inbusschraube M 8x 40 DIN912 12.9



162464

162464
allen wrench screw 12.9 8 x 45 DIN 912
Inbusschraube M 8x 45 DIN912 12.9



162442

162442
allen wrench screw 12.9 8 x 50 DIN 912
Inbusschraube M 8x 50 DIN912 12.9



171167

171167
allen wrench screw 12.9 8 x 55 DIN 912
Inbusschraube M 8x 55 DIN912 12.9



163370

163370
allen wrench screw 12.9 8 x 60 DIN 912
Inbusschraube M 8x 60 DIN912 12.9



171166

171166
allen wrench screw 12.9 8 x 65 DIN 912
Inbusschraube M 8x 65 DIN912 12.9



160478

160478
allen wrench screw 12.9 8x25 w. flange
Inbusschraube M 8x 25 DIN912 12.9 FI.

176900



176900
allen wrench screw M 4x 10 DIN912 12.9
Inbusschraube M 4x 10 DIN912 12.9

18.2 Allen screws A2 / Inbusschrauben A2



165673
allen wrench screw A2 3 x 25 DIN 912
Inbusschraube M 3x 25 DIN912 A2



166408
allen wrench screw A2 3 x 30 DIN 912
Inbusschraube M 3x 30 DIN912 A2



166508
allen wrench screw A2 3 x 35 DIN 912
Inbusschraube M 3x 35 DIN912 A2



163760
allen wrench screw A2 4 x 6 DIN 912
Inbusschraube M 4x 6 DIN912 A2



170433
allen wrench screw A2 4 x 8 short head
Inbusschraube M 4x 8 DIN7984 A2



163753
allen wrench screw A2 5 x 70 DIN 914
Inbusschraube M 5x 70 DIN912 A2



165768
allen wrench screw A2 5 x 75 DIN 912
Inbusschraube M 5x 75 DIN912 A2



167558
allen wrench screw A2 5 x 90 DIN 912
Inbusschraube M 5x 90 DIN912 A2



163704
allen wrench screw A2 6 x 18 DIN 912
Inbusschraube M 6x 18 DIN912 A2



170113
allen wrench screw A2 8 x 12 short head
Inbusschraube M 8x 12 DIN7984 A2



169427
allen wrench screw A2 8 x 16 short head
Inbusschraube M 8x 16 DIN7984 A2



169426
allen wrench screw A2 8 x 40 short head
Inbusschraube M 8x 40 DIN7984 A2



163733
allen wrench screw A2 10 x 60 DIN 912
Inbusschraube M10x 60 DIN912 A2



168434
allen wrench screw A2 10 x 100 DIN 912
Inbusschraube M10x100 DIN912 A2



164440
allen wrench screw A2 10 x 110 DIN 912
Inbusschraube M10x110 DIN912 A2



162135
allen wrench screw A2 10 x 12 DIN 912
Inbusschraube M10x 12 DIN912 A2



102358
allen wrench screw A2 10 x 120 DIN 912
Inbusschraube M10x120 DIN912 A2



176976
allen wrench screw A2 10 x 130 DIN 912
Inbusschraube M10x130 DIN912 A2



163336
allen wrench screw A2 10 x 140 DIN 912
Inbusschraube M10x140 DIN912 A2



101510

101510
allen wrench screw A2 10 x 16 DIN 912
Inbusschraube M10x 16 DIN912 A2



163337
allen wrench screw A2 10 x 160 DIN 912
Inbusschraube M10x160 DIN912 A2



101272

101272
allen wrench screw A2 10 x 20 DIN 912
Inbusschraube M10x 20 DIN912 A2



101273

101273
allen wrench screw A2 10 x 25 DIN 912
Inbusschraube M10x 25 DIN912 A2



163736
allen wrench screw A2 10 x 250 DIN 912
Inbusschraube M10x250 DIN912 A2



164975
allen wrench screw A2 10 x 260 DIN 912
Inbusschraube M10x260 DIN912 A2



101274

101274
allen wrench screw A2 10 x 30 DIN 912
Inbusschraube M10x 30 DIN912 A2



162999
allen wrench screw A2 10 x 300 DIN 912
Inbusschraube M10x300 DIN912 A2



102351

102351
allen wrench screw A2 10 x 35 DIN 912
Inbusschraube M10x 35 DIN912 A2



101276

101276
allen wrench screw A2 10 x 40 DIN 912
Inbusschraube M10x 40 DIN912 A2



101277
allen wrench screw A2 10 x 45 DIN 912
Inbusschraube M10x 45 DIN912 A2



101278
allen wrench screw A2 10 x 50 DIN 912
Inbusschraube M10x 50 DIN912 A2



102357
allen wrench screw A2 10 x 55 DIN 912
Inbusschraube M10x 55 DIN912 A2



105246
allen wrench screw A2 10 x 65 DIN 912
Inbusschraube M10x 65 DIN912 A2



166395
allen wrench screw A2 10 x 70 DIN 912
Inbusschraube M10x 70 DIN912 A2



163334
allen wrench screw A2 10 x 80 DIN 912
Inbusschraube M10x 80 DIN912 A2



100356
allen wrench screw A2 10 x 85 DIN 912
Inbusschraube M10x 85 DIN912 A2



162660
allen wrench screw A2 10 x 90 DIN 912
Inbusschraube M10x 90 DIN912 A2



107005
allen wrench screw A2 10x35 short head
Inbusschraube M10x 35 DIN6912 A2



102365
allen wrench screw A2 12 x 120 DIN 912
Inbusschraube M12x120 DIN912 A2



163974
allen wrench screw A2 12 x 170 DIN 912
Inbusschraube M12x170 DIN912 A2



101281
allen wrench screw A2 12 x 20 DIN 912
Inbusschraube M12x 20 DIN912 A2



173370
allen wrench screw A2 12 x 200 DIN 912
Inbusschraube M12x200 DIN912 A2



166396
allen wrench screw A2 12 x 25 DIN 912
Inbusschraube M12x 25 DIN912 A2



101282
allen wrench screw A2 12 x 30 DIN 912
Inbusschraube M12x 30 DIN912 A2



166406
allen wrench screw A2 12 x 40 DIN 912
Inbusschraube M12x 40 DIN912 A2



101283
allen wrench screw A2 12 x 45 DIN 912
Inbusschraube M12x 45 DIN912 A2



161234
allen wrench screw A2 12 x 50 DIN 912
Inbusschraube M12x 50 DIN912 A2



163429
allen wrench screw A2 12 x 60 DIN 912
Inbusschraube M12x 60 DIN912 A2



166407
allen wrench screw A2 12 x 70 DIN 912
Inbusschraube M12x 70 DIN912 A2



102363
allen wrench screw A2 12 x 80 DIN 912
Inbusschraube M12x 80 DIN912 A2



166776
allen wrench screw A2 16 x 20 DIN 912
Inbusschraube M16x 20 DIN912 A2



176973
allen wrench screw A2 16 x 25 DIN 912
Inbusschraube M16x 25 DIN912 A2



170780
allen wrench screw A2 16 x 30 DIN 912
Inbusschraube M16x 30 DIN912 A2



168729
allen wrench screw A2 16 x 150 DIN 912
Inbusschraube M16x150 DIN912 A2



163169
allen wrench screw A2 16 x 40 DIN 912
Inbusschraube M16x 40 DIN912 A2



168416
allen wrench screw A2 16 x 50 DIN 912
Inbusschraube M16x 50 DIN912 A2



177781
allen wrench screw A2 16 x 90 DIN 912
Inbusschraube M16x 90 DIN912 A2



173371
allen wrench screw A2 20 x 40 DIN 912
Inbusschraube M20x 40 DIN912 A2



168790
allen wrench screw A2 20 x 70 DIN 912
Inbusschraube M20x 70 DIN912 A2



102316
allen wrench screw A2 3 x 10 DIN 912
Inbusschraube M 3x 10 DIN912 A2



175025
allen wrench screw A2 3 x 16 DIN 912
Inbusschraube M 3x 16 DIN912 A2



166397
allen wrench screw A2 3 x 20 DIN 912
Inbusschraube M 3x 20 DIN912 A2



173637
allen wrench screw A2 3 x 5 DIN 7984
Inbusschraube M 3x 5 DIN7984 A2



164068
allen wrench screw A2 3 x 6 DIN 912
Inbusschraube M 3x 6 DIN912 A2



166410
allen wrench screw A2 3 x 8 DIN 7984
Inbusschraube M 3x 8 DIN7984 A2



102327
allen wrench screw A2 4 x 10 DIN 912
Inbusschraube M 4x 10 DIN912 A2



102329
allen wrench screw A2 4 x 16 DIN 912
Inbusschraube M 4x 16 DIN912 A2



102331
allen wrench screw A2 4 x 20 DIN 912
Inbusschraube M 4x 20 DIN912 A2



102333
allen wrench screw A2 4 x 25 DIN 912
Inbusschraube M 4x 25 DIN912 A2



102334
allen wrench screw A2 4 x 30 DIN 912
Inbusschraube M 4x 30 DIN912 A2



102336
allen wrench screw A2 4 x 35 DIN 912
Inbusschraube M 4x 35 DIN912 A2



102338
allen wrench screw A2 4 x 40 DIN 912
Inbusschraube M 4x 40 DIN912 A2



102340
allen wrench screw A2 4 x 45 DIN 912
Inbusschraube M 4x 45 DIN912 A2



102342
allen wrench screw A2 4 x 50 DIN 912
Inbusschraube M 4x 50 DIN912 A2



172424
allen wrench screw A2 4 x 55 DIN 912
Inbusschraube M 4x 55 DIN912 A2



102344
allen wrench screw A2 5 x 10 DIN 912
Inbusschraube M 5x 10 DIN912 A2



167340
allen wrench screw A2 5 x 10 short head
Inbusschraube M 5x 10 DIN7984 A2



102346
allen wrench screw A2 5 x 16 DIN 912
Inbusschraube M 5x 16 DIN912 A2



102348
allen wrench screw A2 5 x 20 DIN 912
Inbusschraube M 5x 20 DIN912 A2



103005
allen wrench screw A2 5 x 25 DIN 912
Inbusschraube M 5x 25 DIN912 A2



102352
allen wrench screw A2 5 x 30 DIN 912
Inbusschraube M 5x 30 DIN912 A2



101173
allen wrench screw A2 5 x 35 DIN 912
Inbusschraube M 5x 35 DIN912 A2 Vollgew.



164947
allen wrench screw A2 5 x 35 DIN 912
Inbusschraube M 5x 35 DIN912 A2



102248
allen wrench screw A2 5 x 40 DIN 912
Inbusschraube M 5x 40 DIN912 A2



163404
allen wrench screw A2 5 x 45 DIN 912
Inbusschraube M 5x 45 DIN912 A2



101176
allen wrench screw A2 5 x 50 DIN 912
Inbusschraube M 5x 50 DIN912 A2



162133
allen wrench screw A2 5 x 55 DIN 912
Inbusschraube M 5x 55 DIN912 A2



163896
allen wrench screw A2 5 x 6 DIN 912
Inbusschraube M 5x 6 DIN912 A2



161033
allen wrench screw A2 5 x 60 DIN 912
Inbusschraube M 5x 60 DIN912 A2



167248
allen wrench screw A2 5 x 8 DIN 912
Inbusschraube M 5x 8 DIN7984 A2



169428
allen wrench screw A2 5 x 8 DIN 912
Inbusschraube M 5x 8 DIN912 A2



101177
allen wrench screw A2 6 x 10 DIN 912
Inbusschraube M 6x 10 DIN912 A2



101243
allen wrench screw A2 6 x 100 DIN 912
Inbusschraube M 6x100 DIN912 A2



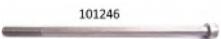
102283
allen wrench screw A2 6 x 110 DIN 912
Inbusschraube M 6x110 DIN912 A2



168638
allen wrench screw A2 6 x 12 DIN 912
Inbusschraube M 6x 12 DIN912 A2



101245
allen wrench screw A2 6 x 120 DIN 912
Inbusschraube M 6x120 DIN912 A2



101246
allen wrench screw A2 6 x 130 DIN 912
Inbusschraube M 6x130 DIN912 A2



163871
allen wrench screw A2 6 x 140 DIN 912
Inbusschraube M 6x140 DIN912 A2



164107
allen wrench screw A2 6 x 150 DIN 912
Inbusschraube M 6x150 DIN912 A2



101178
allen wrench screw A2 6 x 16 DIN 912
Inbusschraube M 6x 16 DIN912 A2



167249
allen wrench screw A2 6 x 16 short head
Inbusschraube M 6x 16 DIN912 A2



168861
allen wrench screw A2 6 x 160 DIN 912
Inbusschraube M 6x160 DIN912 A2



170788
allen wrench screw A2 6 x 180 DIN 912
Inbusschraube M 6x180 DIN912 A2



101230
allen wrench screw A2 6 x 20 DIN 912
Inbusschraube M 6x 20 DIN912 A2



101231
allen wrench screw A2 6 x 25 DIN 912
Inbusschraube M 6x 25 DIN912 A2



102259
allen wrench screw A2 6 x 30 DIN 912
Inbusschraube M 6x 30 DIN912 A2



101233
allen wrench screw A2 6 x 35 DIN 912
Inbusschraube M 6x 35 DIN912 A2



102263
allen wrench screw A2 6 x 40 DIN 912
Inbusschraube M 6x 40 DIN912 A2



101235
allen wrench screw A2 6 x 45 DIN 912
Inbusschraube M 6x 45 DIN912 A2



102267
allen wrench screw A2 6 x 50 DIN 912
Inbusschraube M 6x 50 DIN912 A2



102269
allen wrench screw A2 6 x 55 DIN 912
Inbusschraube M 6x 55 DIN912 A2



102271
allen wrench screw A2 6 x 60 DIN 912
Inbusschraube M 6x 60 DIN912 A2



102273
allen wrench screw A2 6 x 65 DIN 912
Inbusschraube M 6x 65 DIN912 A2



102275
allen wrench screw A2 6 x 70 DIN 912
Inbusschraube M 6x 70 DIN912 A2



166400
allen wrench screw A2 6 x 75 DIN 912
Inbusschraube M 6x 75 DIN912 A2



102277
allen wrench screw A2 6 x 80 DIN 912
Inbusschraube M 6x 80 DIN912 A2



170434
allen wrench screw A2 6 x 85 DIN 912
Inbusschraube M 6x 85 DIN912 A2



102279
allen wrench screw A2 6 x 90 DIN 912
Inbusschraube M 6x 90 DIN912 A2



169202
allen wrench screw A2 6 x 95 DIN 912
Inbusschraube M 6x 95 DIN912 A2

161481



161481
allen wrench screw A2 6x12 coated
Inbusschraube M 6x 12 DIN912 A2 besch.

102326



102326
allen wrench screw A2 8 x 100 DIN 912
Inbusschraube M 8x100 DIN912 A2

102328



102328
allen wrench screw A2 8 x 110 DIN 912
Inbusschraube M 8x110 DIN912 A2

102289



102289
allen wrench screw A2 8 x 12 DIN 912
Inbusschraube M 8x 12 DIN912 A2

102330



102330
allen wrench screw A2 8 x 120 DIN 912
Inbusschraube M 8x120 DIN912 A2

102332



102332
allen wrench screw A2 8 x 130 DIN 912
Inbusschraube M 8x130 DIN912 A2

102335



102335
allen wrench screw A2 8 x 140 DIN 912
Inbusschraube M 8x140 DIN912 A2

102337



102337
allen wrench screw A2 8 x 150 DIN 912
Inbusschraube M 8x150 DIN912 A2

102291



102291
allen wrench screw A2 8 x 16 DIN 912
Inbusschraube M 8x 16 DIN912 A2

102339



102339
allen wrench screw A2 8 x 160 DIN 912
Inbusschraube M 8x160 DIN912 A2



101270
allen wrench screw A2 8 x 170 DIN 912
Inbusschraube M 8x170 DIN912 A2



102343
allen wrench screw A2 8 x 180 DIN 912
Inbusschraube M 8x180 DIN912 A2



102293
allen wrench screw A2 8 x 20 DIN 912
Inbusschraube M 8x 20 DIN912 A2



161190
allen wrench screw A2 8 x 200 DIN 912
Inbusschraube M 8x200 DIN912 A2



171389
allen wrench screw A2 8 x 220 DIN 912
Inbusschraube M 8x220 DIN912 A2



172812
allen wrench screw A2 8 x 230 DIN 912
Inbusschraube M 8x230 DIN912 A2



102294
allen wrench screw A2 8 x 25 DIN 912
Inbusschraube M 8x 25 DIN912 A2



102295
allen wrench screw A2 8 x 30 DIN 912
Inbusschraube M 8x 30 DIN912 A2



102297
allen wrench screw A2 8 x 35 DIN 912
Inbusschraube M 8x 35 DIN912 A2



102299
allen wrench screw A2 8 x 40 DIN 912
Inbusschraube M 8x 40 DIN912 A2



102301
allen wrench screw A2 8 x 45 DIN 912
Inbusschraube M 8x 45 DIN912 A2



102303
allen wrench screw A2 8 x 50 DIN 912
Inbusschraube M 8x 50 DIN912 A2



102305
allen wrench screw A2 8 x 55 DIN 912
Inbusschraube M 8x 55 DIN912 A2



102308
allen wrench screw A2 8 x 60 DIN 912
Inbusschraube M 8x 60 DIN912 A2



102310
allen wrench screw A2 8 x 65 DIN 912
Inbusschraube M 8x 65 DIN912 A2



102312
allen wrench screw A2 8 x 70 DIN 912
Inbusschraube M 8x 70 DIN912 A2



102315
allen wrench screw A2 8 x 75 DIN 912
Inbusschraube M 8x 75 DIN912 A2



171869
allen wrench screw A2 8 x 8 DIN 912
Inbusschraube M 8x 8 DIN912 A2



172004
allen wrench screw A2 8 x 80 DIN 6912
Inbusschraube M 8x 80 DIN6912 A2



102317
allen wrench screw A2 8 x 80 DIN 912
Inbusschraube M 8x 80 DIN912 A2



102321
allen wrench screw A2 8 x 85 DIN 912
Inbusschraube M 8x 85 DIN912 A2



102324
allen wrench screw A2 8 x 90 DIN 912
Inbusschraube M 8x 90 DIN912 A2 Vollgew.



107224
allen wrench screw A2 8 x 95 DIN 912
Inbusschraube M 8x 95 DIN912 A2



161539
allen wrench screw A2 8x100 short head
Inbusschraube M 8x100 DIN6912 A2



105640
allen wrench screw A2 8x20 short head
Inbusschraube M 8x 20 DIN6912 A2



102150
allen wrench screw A2 8x25 short head
Inbusschraube M 8x 25 DIN6912 A2



161191
allen wrench screw A2 8x70 short head
Inbusschraube M 8x 70 DIN6912 A2



164472
allen wrench screw A2 8x90 short head
Inbusschraube M 8x 90 DIN6912 A2



172720
allen wrench screw M 4x 8 DIN912 A2
Inbusschraube M 4x 8 DIN912 A2
C1



175706
allen wrench screw M8x135 DIN912 A2
Inbusschraube M 8x135 DIN912 A2

18.3 Collar screws / Bundschrauben



172705
shouldered screw M4x19 f. RT heater cage
Bundschraube M4x19 RT HZK



170968
shouldered screw M6x16 f. RT heater cage
Bundschraube M6x16 RT HZK

18.4 Countersunk screws / Senkkopfschrauben



168789
countersunk screw 10.9 5 x 16 DIN 7991
Senkkopfschraube M 5x 16 DIN7991 10.9



163362
countersunk screw 10.9 5 x 20 DIN 7991
Senkkopfschraube M 5x 20 DIN7991 10.9



160677
countersunk screw 10.9 6 x 16 DIN 7991
Senkkopfschraube M 6x 16 DIN7991 10.9



160678
countersunk screw 10.9 6 x 20 DIN 7991
Senkkopfschraube M 6x 20 DIN7991 10.9



162877
countersunk screw 10.9 8 x 20 DIN 7991
Senkkopfschraube M 8x 20 DIN7991 10.9



168788
countersunk screw 10.9 3 x 6 DIN 7991
Senkkopfschraube M 3x 6 DIN7991 10.9

166140



166140
countersunk screw 10.9 4 x 16 DIN 7991
Senkkopfschraube M 4x 16 DIN7991 10.9



168860

168860
countersunk screw 10.9 4 x 20 DIN 7991
Senkkopfschraube M 4x 20 DIN7991 10.9

NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

169468
countersunk screw 8.8 8 x 120 DIN 7991
Senkkopfschraube M 8x120 DIN7991 8.8



168847

168847
countersunk screw 8.8 8 x 120 DIN 7991
Senkkopfschraube M 8x120 DIN7991 8.8 vz

103016



103016
countersunk screw A2 3 x 10 DIN 7991
Senkkopfschraube M 3x 10 DIN7991 A2

166527



166527
countersunk screw A2 3 x 12 DIN 7991
Senkkopfschraube M 3x 12 DIN7991 A2

166409



166409
countersunk screw A2 3 x 16 DIN 7991
Senkkopfschraube M 3x 16 DIN7991 A2

163157



163157
countersunk screw A2 3 x 8 DIN 7991
Senkkopfschraube M 3x 8 DIN7991 A2

103018



103018
countersunk screw A2 4 x 12 DIN 7991
Senkkopfschraube M 4x 12 DIN7991 A2

102247



102247
countersunk screw A2 4 x 20 DIN 7991
Senkkopfschraube M 4x 20 DIN7991 A2



161461
countersunk screw A2 4 x 25 DIN 7991
Senkkopfschraube M 4x 25 DIN7991 A2



163058
countersunk screw A2 4 x 6 DIN 7991
Senkkopfschraube M 4x 6 DIN7991 A2



106430
countersunk screw A2 5 x 8 DIN 7991
Senkkopfschraube M 5x 8 DIN7991 A2



103020
countersunk screw A2 5 x 12 DIN 7991
Senkkopfschraube M 5x 12 DIN7991 A2



103021
countersunk screw A2 5 x 16 DIN 7991
Senkkopfschraube M 5x 16 DIN7991 A2



103022
countersunk screw A2 5 x 20 DIN 7991
Senkkopfschraube M 5x 20 DIN7991 A2



163430
countersunk screw A2 5 x 25 DIN 7991
Senkkopfschraube M 5x 25 DIN7991 A2



161031
countersunk screw A2 5 x 30 DIN 7991
Senkkopfschraube M 5x 30 DIN7991 A2



169603
countersunk screw A2 5 x 40 DIN 7991
Senkkopfschraube M 5x 40 DIN7991 A2



166831
countersunk screw A2 5 x 55 DIN 7991
Senkkopfschraube M 5x 55 DIN7991 A2



166832
countersunk screw A2 5 x 60 DIN 7991
Senkkopfschraube M 5x 60 DIN7991 A2



169806
countersunk screw A2 5 x 70 DIN 7991
Senkkopfschraube M 5x 70 DIN7991 A2



163750
countersunk screw A2 6 x 10 DIN 7991
Senkkopfschraube M 6x 10 DIN7991 A2



103023
countersunk screw A2 6 x 12 DIN 7991
Senkkopfschraube M 6x 12 DIN7991 A2



166129
countersunk screw A2 6 x 30 DIN 7991
Senkkopfschraube M 6x 30 DIN7991 A2



103028
countersunk screw A2 6 x 35 DIN 7991
Senkkopfschraube M 6x 35 DIN7991 A2



100613
countersunk screw A2 6 x 40 DIN 7991
Senkkopfschraube M 6x 40 DIN7991 A2



103030
countersunk screw A2 8 x 16 DIN 7991
Senkkopfschraube M 8x 16 DIN7991 A2



164170
countersunk screw A2 8 x 20 DIN 7991
Senkkopfschraube M 8x 20 DIN7991 A2



103029
countersunk screw A2 8 x 25 DIN 7991
Senkkopfschraube M 8x 25 DIN7991 A2



167370
countersunk screw A2 10 x 16 DIN 7991
Senkkopfschraube M10x 16 DIN7991 A2



103014
countersunk screw A2 10 x 25 DIN 7991
Senkkopfschraube M10x 25 DIN7991 A2



162784
countersunk screw A2 10 x 40 DIN 7991
Senkkopfschraube M10x 40 DIN7991 A2



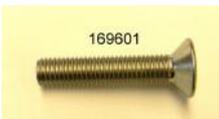
165187
countersunk screw A2 10 x 50 DIN 7991
Senkkopfschraube M10x 50 DIN7991 A2



165212
countersunk screw A2 12 x 40 DIN 7991
Senkkopfschraube M12x 40 DIN7991 A2



169563
countersunk screw A2 12 x 50 DIN 7991
Senkkopfschraube M12x 50 DIN7991 A2



169601
countersunk screw A2 12 x 60 DIN 7991
Senkkopfschraube M12x 60 DIN7991 A2



103031
countersunk screw A2 3 x 18 DIN 7991
Senkkopfschraube M 3x 18 DIN7991 A2



165708
countersunk screw A2 3 x 25 DIN 7991
Senkkopfschraube M 3x 25 DIN7991 A2



100644
countersunk screw A2 3 x 6 DIN 7991
Senkkopfschraube M 3x 6 DIN7991 A2



160994
countersunk screw A4 2.5 x 10 DIN 963
Senkkopfschraube M 2,5x10 DIN963 A4 m.Sc



106838
countersunk screw A4 5 x 10 DIN 7991
Senkkopfschraube M 5x 10 DIN7991 A4



163338
countersunk screw A4 8 x 30 DIN 7991
Senkkopfschraube M 8x 30 DIN7991 A2



170888
countersunk screw A4 8 x 80 DIN 7991
Senkkopfschraube M 8x 80 DIN7991 A2



172799
countersunk screw A4 4 x 6 DIN 965 TX
Senkkopfschraube M 4x 6 DIN965 A4 Torx



172598
countersunk screw DIN7991 M 4x 8 A2
Senkkopfschraube M 4x 8 DIN7991 A2



103017
countersunk screw DIN7991 M 4x 10 A2
Senkkopfschraube M 4x 10 DIN7991 A2



108436
countersunk screw DIN7991 M 5x 10 A2
Senkkopfschraube M 5x 10 DIN7991 A2



103024
countersunk screw DIN7991 M 6x 16 A2
Senkkopfschraube M 6x 16 DIN7991 A2



103025
countersunk screw DIN7991 M 6x 20 A2
Senkkopfschraube M 6x 20 DIN7991 A2



103026
countersunk screw DIN7991 M 6x 25 A2
Senkkopfschraube M 6x 25 DIN7991 A2



168663
countersunk screw DIN965 M 4x 6 A2
Senkkopfschraube M 4x 6 DIN965 A2 KS



169239
countersunk screw M3 x 8 A4 Torx
Senkkopfschraube M 3x 8 DIN965A A4 Torx



103008
countersunk screw UNC10.9/10 L=1/2"
Senkkopfschraube UNC 10-24x1/2" DIN7991

18.5 Hexagon head screws / Sechskantschrauben



106009
hexagon bolt DIN933 M 8x 16 A2
Sechskantschraube M 8x 16 DIN933 A2



107179
hexagon bolt DIN933 M 8x 20 A2
Sechskantschraube M 8x 20 DIN933 A2



103009
hexagon bolt DIN933 M 8x 25 A2
Sechskantschraube M 8x 25 DIN933 A2



161538
hexagon bolt DIN933 M 8x 50 A2
Sechskantschraube M 8x 50 DIN933 A2



161547
hexagon bolt DIN933 M 8x 55 A2
Sechskantschraube M 8x 55 DIN933 A2



161490
hexagon bolt DIN933 M 8x 70 A2
Sechskantschraube M 8x 70 DIN933 A2

18.6 Pan head screws / Linsenschrauben



161436
button head screw Ejot M5 x 28 A2
Linsenschraube EJOT 5x 28 A2



173372
button head screw Ejot M5 x 35 A2
Linsenschraube EJOT 5x 35 A2



179974
button head screw Ejot M5 x 65 A2
Linsenschraube EJOT 5x 65/20 A2



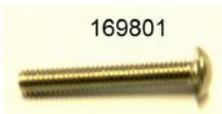
169095
button head screw M10 x 16 A2 ISO 7380
Linsenschraube M10x 16 ISO7380 A2



109339
button head screw M4 x 16 A2 ISO 7380
Linsenschraube M 4x 16 ISO7380 A2



170781
button head screw M4 x 20 A2 ISO 7380
Linsenschraube M 4x 20 ISO7380 A2



169801
button head screw M4 x 25 A2 ISO 7380
Linsenschraube M 4x 25 ISO7380 A2



111482
button head screw M4 x 5 A2 DIN 7985
Linsenschraube M 4x 5 DIN7985 A2



169972
button head screw M4 x 6 A2 ISO 7380
Linsenschraube M 4x 6 ISO7380 A2



108920
button head screw M4 x 8 A2 DIN 7985
Linsenschraube M 4x 8 DIN7985 A2



171164
button head screw M4 x 8 A2 ISO 7380
Linsenschraube M 4x 8 ISO7380 A2



101850
button head screw M5 x 12 A2 ISO 7380
Linsenschraube M 5x 12 ISO7380 A2



100493
button head screw M5 x 16 A2 ISO 7380
Linsenschraube M 5x 16 ISO7380 A2



105245
button head screw M5 x 20 A2 ISO 7380
Linsenschraube M 5x 20 ISO7380 A2



166322
button head screw M5 x 25 A2 ISO 7380
Linsenschraube M 5x 25 ISO7380 A2



169941
button head screw M5 x 30 A2 ISO 7380
Linsenschraube M 5x 30 ISO7380 A2



105873
button head screw M5 x 8 A2 ISO 7380
Linsenschraube M 5x 8 ISO7380 A2



161198
button head screw M6 x 10 A2 ISO 7380
Linsenschraube M 6x 10 ISO7380 A2

167247



167247
button head screw M6 x 12 A2 ISO 7380
Linsenschraube M 6x 12 ISO7380 A2

168537



168537
button head screw M6 x 16 A2 DIN 7985
Linsenschraube M 6x 16 DIN7985 A2

161233



161233
button head screw M6 x 16 A2 ISO 7380
Linsenschraube M 6x 16 ISO7380 A2



169933

169933
button head screw M6 x 20 A2 DIN 7985
Linsenschraube M 6x 20 ISO7380 A2



168636

168636
button head screw M6 x 20 A2 ISO 7380
Linsenschraube M 6x 20 ISO7380 A2

NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

167690
button head screw M6 x 25 A2 ISO 7380
Linsenschraube M 6x 25 ISO7380 A2

NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

167689
button head screw M6 x 30 A2 ISO 7380
Linsenschraube M 6x 30 ISO7380 A2

164174



164174
button head screw M6 x 35 A2 ISO 7380
Linsenschraube M 6x 35 ISO7380 A2



106431
button head screw M6 x 40 A2 ISO 7380
Linsenschraube M 6x 40 ISO7380 A2

165109



165109
button head screw M6 x 45 A2 ISO 7380
Linsenschraube M 6x 45 ISO7380 A2

161032



161032
button head screw M6 x 50 A2 ISO 7380
Linsenschraube M 6x 50 ISO7380 A2

170778



170778
button head screw M6 x 55 A2 ISO 7380
Linsenschraube M 6x 55 ISO7380 A2
C1

168637



168637
button head screw M6 x 70 A2 ISO 7380
Linsenschraube M 6x 70 ISO7380 A2

163814



163814
button head screw M8 x 12 A2 ISO 7380
Linsenschraube M 8x 12 ISO7380 A2

111852



101852
button head screw M8 x 16 A2 ISO 7380
Linsenschraube M 8x 16 ISO7380 A2

165295



165295
button head screw M8 x 20 A2 ISO 7380
Linsenschraube M 8x 20 ISO7380 A2

161615



161615
button head screw M8 x 25 A2 ISO 7380
Linsenschraube M 8x 25 ISO7380 A2

107089



107089
button head screw M8 x 30 A2 ISO 7380
Linsenschraube M 8x 30 ISO7380 A2

101854



101854
button head screw M8 x 35 A2 ISO 7380
Linsenschraube M 8x 35 ISO7380 A2

101855



101855
button head screw M8 x 40 A2 ISO 7380
Linsenschraube M 8x 40 ISO7380 A2



170652
button head screw M8 x 60 A2 ISO 7380
Linsenschraube M 8x 60 ISO7380 A2

18.7 Special screws / Sonderschrauben



178966
knurled screw RT M8x48
Rändelschraube RT M8x48

18.8 Stud bolts / Stiftschrauben



104327
stud M20 x 100 mm
Stiftschraube M20xGL100 DIN6379 8.8



102995
stud M20 x 120 mm
Stiftschraube M20xGL120 DIN6379 8.8



102997
stud M20 x 80 mm
Stiftschraube M20xGL 80 DIN938 8.8

18.9 Torx screws / Torxschrauben



167965
cylindr. TX screw 3x20 mm hardened
Zylinderschraube M 3x 20 Torx geh.



167672
cylindr. TX screw 3x20 mm head ø4 hard.
Zylinderschraube M 3x 20 Kopf ø4 Tx geh.



167966
cylindr. TX screw 3x25 mm hardened
Zylinderschraube M 3x 25 Torx geh.



167673

**cylindr. TX screw 3x25 mm head \varnothing 4 hard.
Zylinderschraube M 3x 25 Kopf \varnothing 4 Tx geh.**



171471

**cylindr. TX screw 3x30 mm hardened
Zylinderschraube M 3x 30 Torx geh.**



171472

**cylindr. TX screw 3x30 mm head \varnothing 4 hard.
Zylinderschraube M 3x 30 Kopf \varnothing 4 Tx geh.**

174454



174454

**cylindr. TX screw 3x35 mm hardened
Zylinderschraube M 3x 35 Kopf \varnothing 5,3 TXgeh.**

172541



172541

**cylindr. TX screw 3x35 mm head \varnothing 4 hard.
Zylinderschraube M 3x 35 Kopf \varnothing 4,0 Txgeh.**

19. Seals / Dichtungen

19.1 O-rings / O-Ringe



163770

163770

**O-ring \varnothing 3 x 2,0 mm
O-Ring \varnothing 3x2,0 NBR 70 Shore**



163804

**O-ring \varnothing 9 x 1,5 mm
O-Ring \varnothing 9x1,5 NBR 70 Shore**



163075

163075

**O-ring \varnothing 10 x 1,0 mm
O-Ring \varnothing 10x1,0 NBR 70 Shore**



102899
O-ring $\varnothing 10 \times 1,5$ mm
O-Ring $\varnothing 10 \times 1,5$ NBR 70 Shore



102900
O-ring $\varnothing 10 \times 1,8$ mm
O-Ring $\varnothing 10 \times 1,8$ NBR 70 Shore



102901
O-ring $\varnothing 10 \times 2,0$ mm
O-Ring $\varnothing 10 \times 2,0$ NBR 70 Shore



166380
O-ring $\varnothing 10 \times 3,0$ mm
O-Ring $\varnothing 10 \times 3,0$ NBR 70 Shore



168415
O-ring $\varnothing 100 \times 3,0$ mm
O-Ring $\varnothing 100 \times 3,0$ NBR 70 Shore



102386
O-ring $\varnothing 11 \times 2,0$ mm
O-Ring $\varnothing 11 \times 2,0$ NBR 70 Shore



170467
O-ring $\varnothing 111 \times 3,0$ mm
O-Ring $\varnothing 111 \times 3,0$ NBR 70 Shore



173630
O-ring $\varnothing 115 \times 3,0$ mm
O-Ring $\varnothing 115 \times 3,0$ NBR 70 Shore



102902
O-ring $\varnothing 12 \times 1,5$ mm
O-Ring $\varnothing 12 \times 1,5$ NBR 70 Shore



102915
O-ring $\varnothing 12 \times 2,0$ mm
O-Ring $\varnothing 12 \times 2,0$ NBR 70 Shore



102916

102916
O-ring $\varnothing 12 \times 3,0$ mm
O-Ring $\varnothing 12 \times 3,0$ NBR 70 Shore



168413
O-ring $\varnothing 120 \times 3,0$ mm
O-Ring $\varnothing 120 \times 3,0$ NBR 70 Shore



170468
O-ring $\varnothing 127 \times 3,0$ mm
O-Ring $\varnothing 127 \times 3,0$ NBR 70 Shore

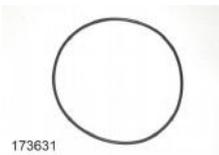


167252
O-ring $\varnothing 13 \times 1,5$ mm
O-Ring $\varnothing 13 \times 1,5$ NBR 70 Shore



106362

106362
O-ring $\varnothing 13 \times 2,0$ mm
O-Ring $\varnothing 13 \times 2,0$ NBR 70 Shore



173631

173631
O-ring $\varnothing 131 \times 3,0$ mm
O-Ring $\varnothing 131 \times 3,0$ NBR 70 Shore



102903

102903
O-ring $\varnothing 14 \times 1,5$ mm
O-Ring $\varnothing 14 \times 1,5$ NBR 70 Shore



102904

102904
O-ring $\varnothing 14 \times 2,0$ mm
O-Ring $\varnothing 14 \times 2,0$ NBR 70 Shore



NO IMAGE AVAILABLE



KEIN BILD VORHANDEN

173632
O-ring $\varnothing 140 \times 3,0$ mm
O-Ring $\varnothing 140 \times 3,0$ NBR 70 Shore



170431

170431
O-ring $\varnothing 144 \times 3,0$ mm
O-Ring $\varnothing 144 \times 3,0$ NBR 70 Shore

172053



172053

O-ring $\varnothing 15 \times 1,0$ mm
O-Ring $\varnothing 15 \times 1,0$ NBR 70 Shore



106382

106382

O-ring $\varnothing 15 \times 1,5$ mm
O-Ring $\varnothing 15 \times 1,5$ NBR 70 Shore



106363

106363

O-ring $\varnothing 15 \times 2,0$ mm
O-Ring $\varnothing 15 \times 2,0$ NBR 70 Shore



169812

169812

O-ring $\varnothing 15 \times 3,0$ mm
O-Ring $\varnothing 15 \times 3,0$ NBR 70 Shore



173633

O-ring $\varnothing 156 \times 3,0$ mm
O-Ring $\varnothing 156 \times 3,0$ NBR 70 Shore



169805

169805

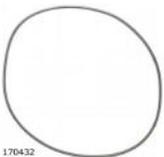
O-ring $\varnothing 16 \times 1,5$ mm
O-Ring $\varnothing 16 \times 1,5$ NBR 70 Shore



107012

107012

O-ring $\varnothing 16 \times 2,0$ mm
O-Ring $\varnothing 16 \times 2,0$ NBR 70 Shore



170432

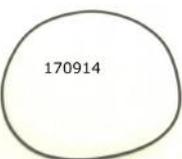
170432

O-ring $\varnothing 160 \times 3,0$ mm
O-Ring $\varnothing 160 \times 3,0$ NBR 70 Shore



173634

O-ring $\varnothing 179 \times 3,0$ mm
O-Ring $\varnothing 179 \times 3,0$ NBR 70 Shore



170914

170914

O-ring $\varnothing 188 \times 3,0$ mm
O-Ring $\varnothing 188 \times 3,0$ NBR 70 Shore



168659

168659
O-ring $\varnothing 19 \times 2,0$ mm
O-Ring $\varnothing 19 \times 2,0$ NBR 70 Shore



173635
O-ring $\varnothing 195 \times 3,0$ mm
O-Ring $\varnothing 195 \times 3,0$ NBR 70 Shore



102905

102905
O-ring $\varnothing 2 \times 1,0$ mm
O-Ring $\varnothing 2 \times 1,0$ NBR 70 Shore



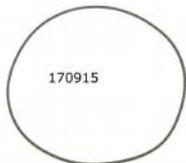
162787

162787
O-ring $\varnothing 20 \times 3,0$ mm
O-Ring $\varnothing 20 \times 3,0$ NBR 70 Shore



102918

102918
O-ring $\varnothing 20,5 \times 1,8$ mm
O-Ring $\varnothing 20,5 \times 1,8$ NBR 70 Shore



170915

170915
O-ring $\varnothing 204,5 \times 3,0$ mm
O-Ring $\varnothing 204,5 \times 3,0$ NBR 70 Shore

172586



172586
O-ring $\varnothing 21 \times 2,0$ mm
O-Ring $\varnothing 21 \times 2,0$ NBR 70 Shore



170902

170902
O-ring $\varnothing 214 \times 3,0$ mm
O-Ring $\varnothing 214 \times 3,0$ NBR 70 Shore



170901

170901
O-ring $\varnothing 230 \times 3,0$ mm
O-Ring $\varnothing 230 \times 3,0$ NBR 70 Shore



167695

167695
O-ring $\varnothing 24 \times 3,0$ mm
O-Ring $\varnothing 24 \times 3,0$ NBR 70 Shore



173442
O-ring $\varnothing 250 \times 3,0$ mm
O-Ring $\varnothing 250 \times 3,0$ NBR 70 Shore



173443
O-ring $\varnothing 265 \times 3,0$ mm
O-Ring $\varnothing 265 \times 3,0$ NBR 70 Shore



169363
O-ring $\varnothing 28 \times 3,0$ mm
O-Ring $\varnothing 28 \times 3,0$ NBR 70 Shore



175218
O-ring $\varnothing 281 \times 3,0$ mm
O-Ring $\varnothing 281 \times 3,0$ NBR 70 Shore



175219
O-ring $\varnothing 297 \times 3,0$ mm
O-Ring $\varnothing 297 \times 3,0$ NBR 70 Shore



102906
O-ring $\varnothing 3 \times 1,0$ mm
O-Ring $\varnothing 3 \times 1,0$ NBR 70 Shore



102907
O-ring $\varnothing 3 \times 1,5$ mm
O-Ring $\varnothing 3 \times 1,5$ NBR 70 Shore



166377
O-ring $\varnothing 3,5 \times 1,0$ mm
O-Ring $\varnothing 3,5 \times 1,0$ NBR 70 Shore



166378
O-ring $\varnothing 3,5 \times 1,5$ mm
O-Ring $\varnothing 3,5 \times 1,5$ NBR 70 Shore



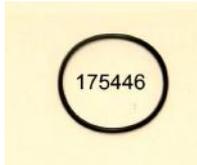
162661
O-ring $\varnothing 31 \times 2,0$ mm
O-Ring $\varnothing 31 \times 2,0$ NBR 70 Shore



172188
O-ring $\varnothing 33 \times 4,0$ mm
O-Ring $\varnothing 33 \times 4,0$ NBR 70 Shore



106365
O-ring $\varnothing 36 \times 2,0$ mm
O-Ring $\varnothing 36 \times 2,0$ NBR 70 Shore



175446
O-ring $\varnothing 38 \times 2,0$ mm
O-Ring $\varnothing 38 \times 2,0$ NBR 70 Shore



169364
O-ring $\varnothing 38 \times 3,0$ mm
O-Ring $\varnothing 38 \times 3,0$ NBR 70 Shore



167116
O-ring $\varnothing 38 \times 4,0$ mm
O-Ring $\varnothing 38 \times 4,0$ NBR 70 Shore



102908
O-ring $\varnothing 4 \times 1,0$ mm
O-Ring $\varnothing 4 \times 1,0$ NBR 70 Shore



102909
O-ring $\varnothing 4 \times 1,5$ mm
O-Ring $\varnothing 4 \times 1,5$ NBR 70 Shore



164424
O-ring $\varnothing 4 \times 2,0$ mm
O-Ring $\varnothing 4 \times 2,0$ NBR 70 Shore



167117
O-ring $\varnothing 40 \times 4,0$ mm
O-Ring $\varnothing 40 \times 4,0$ NBR 70 Shore



167032
O-ring $\varnothing 42 \times 2,0$ mm
O-Ring $\varnothing 42 \times 2,0$ NBR 70 Shore



167118

167118
O-ring $\varnothing 42 \times 4,0$ mm
O-Ring $\varnothing 42 \times 4,0$ NBR 70 Shore



171958
O-ring $\varnothing 48 \times 2,0$ mm
O-Ring $\varnothing 48 \times 2,0$ NBR 70 Shore



164576

164576
O-ring $\varnothing 48 \times 3,0$ mm
O-Ring $\varnothing 48 \times 3,0$ NBR 70 Shore



107138

107138
O-ring $\varnothing 5 \times 1,0$ mm
O-Ring $\varnothing 5 \times 1,0$ NBR 70 Shore



102910

102910
O-ring $\varnothing 5 \times 1,5$ mm
O-Ring $\varnothing 5 \times 1,5$ NBR 70 Shore

167228



167228
O-ring $\varnothing 5 \times 2,0$ mm Viton
O-Ring $\varnothing 5 \times 2,0$ Viton



160437

160437
O-ring $\varnothing 5 \times 4,0$ mm
O-Ring $\varnothing 5 \times 4,0$ NBR 70 Shore



166871

166871
O-ring $\varnothing 5,28 \times 1,78$ mm
O-Ring $\varnothing 5,28 \times 1,78$ NBR 70 Shore



166381

166381
O-ring $\varnothing 50 \times 3,0$ mm
O-Ring $\varnothing 50 \times 3,0$ NBR 70 Shore



169498

169498
O-ring $\varnothing 50 \times 5,0$ mm
O-Ring $\varnothing 50 \times 5,0$ NBR 70 Shore



162788
O-ring $\varnothing 51 \times 3,0$ mm
O-Ring $\varnothing 51 \times 3,0$ NBR 70 Shore



176673
O-ring $\varnothing 56 \times 3,0$ mm
O-Ring $\varnothing 56 \times 3,0$ NBR 70 Shore



163074
O-ring $\varnothing 6 \times 1,0$ mm
O-Ring $\varnothing 6 \times 1,0$ NBR 70 Shore



102911
O-ring $\varnothing 6 \times 1,5$ mm
O-Ring $\varnothing 6 \times 1,5$ NBR 70 Shore



107178
O-ring $\varnothing 6 \times 2,0$ mm
O-Ring $\varnothing 6 \times 2,0$ NBR 70 Shore



166801
O-ring $\varnothing 6 \times 2,5$ mm Viton
O-Ring $\varnothing 6 \times 2,5$ Viton



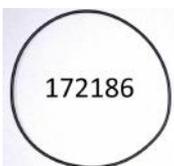
165031
O-ring $\varnothing 69,57 \times 1,78$ mm
O-Ring $\varnothing 69,57 \times 1,78$ NBR 70 Shore



102912
O-ring $\varnothing 7 \times 1,5$ mm
O-Ring $\varnothing 7 \times 1,5$ NBR 70 Shore



166379
O-ring $\varnothing 7 \times 2,0$ mm
O-Ring $\varnothing 7 \times 2,0$ NBR 70 Shore



172186
O-ring $\varnothing 76 \times 1,5$ mm
O-Ring $\varnothing 76 \times 1,5$ NBR 70 Shore



161443

161443
O-ring $\varnothing 8 \times 1,0$ mm
O-Ring $\varnothing 8 \times 1,0$ NBR 70 Shore



102913

102913
O-ring $\varnothing 8 \times 1,5$ mm
O-Ring $\varnothing 8 \times 1,5$ NBR 70 Shore



102914

102914
O-ring $\varnothing 8 \times 2,0$ mm
O-Ring $\varnothing 8 \times 2,0$ NBR 70 Shore

19.2 Plastic sealing rings / Kunststoff-Dichtringe

168487



168487
ABA seal for 3/4" socket
Dichtung ABA für 3/4" Steckdose



171924
sealing ring $\varnothing 1/4"$ 13,5x18x2 PA6 yellow
Dichtring $\varnothing 1/4"$ x l \varnothing 13,5 x A \varnothing 18 x 2 PA gelb



169934

169934
sealing ring $\varnothing 1/8"$ 10,5x15x2,0 PA red
Dichtring $\varnothing 1/8"$ x l \varnothing 10,5 x A \varnothing 15 x 2 PA rot



101080

101080
sealing ring blue $\varnothing 1/2"$ -int $\varnothing 21$ x ext $\varnothing 30$
Dichtring $\varnothing 1/2"$ x l \varnothing 21 x A \varnothing 30 x 2 PA blau



163233

163233
sealing ring blue $\varnothing 1/4"$ $\varnothing 13,5$ x $\varnothing 18$ PA6
Dichtring $\varnothing 1/4"$ x l \varnothing 13,5 x A \varnothing 18 x 2 PA blau



101075

101075
sealing ring blue $\varnothing 1/4"$ -int $\varnothing 13$ x ext $\varnothing 25$
Dichtring $\varnothing 1/4"$ x l \varnothing 13,5 x A \varnothing 25 x 2 PA blau



101077
sealing ring blue Ø3/8"-intØ17 x extØ24
Dichtring ø3/8"xlø 17,5xAø 24x2 PA blau



173095
sealing ring blue ø3/4" iø27 eø32x2 blue
Dichtring ø3/4"xlø 27,0xAø 32x2 PA blau

168525



168525
sealing ring green Ø1/2"-IØ21 x AØ30
Dichtring ø1/2"xlø 21xAø 30x2 PA grün



105244
sealing ring green Ø1/4"-intØ13 x extØ25
Dichtring ø1/4"xlø 13,5xAø 25x2 PA grün



101094
sealing ring red Ø1/4"-intØ13 x extØ25
Dichtring ø1/4"xlø 13,5xAø 25x2 PA rot



101095

101095
sealing ring red Ø3/8"-intØ17 x extØ24
Dichtring ø3/8"xlø 17xAø 24x2 PA rot



163234

163234
sealing ring red Ø1/4" Ø13 x Ø18 PA6
Dichtring ø1/4"xlø 13,5xAø 18x2 PA rot



101091
sealing ring yellow Ø1/2"-intØ21xextØ30
Dichtring ø1/2"xlø 21xAø 30x2 PA gelb



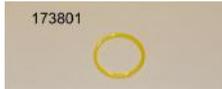
101084

101084
sealing ring yellow Ø1/4"-intØ13 x extØ2
Dichtring ø1/4"xlø 13,5xAø 25x2 PA gelb



101088

101088
sealing ring yellow Ø3/8"-intØ17 x extØ2
Dichtring ø3/8"xlø 17xAø 24x2 PA gelb



173801
sealing ring yellow \varnothing 1"xl \varnothing 36xA \varnothing 42x2 PA
Dichtring \varnothing 1"xl \varnothing 36xA \varnothing 42x2 PA gelb



178492
sealing ring yellow \varnothing 3/4" int \varnothing 27 ext \varnothing 32
Dichtring \varnothing 3/4"xl \varnothing 27,0xA \varnothing 32x2 PA gelb



169669
sealing ring \varnothing 1 34x39x2 PA6 blue
Dichtring \varnothing 1" l \varnothing 34xA \varnothing 39x2 PA blau



175021
sealing ring \varnothing 1" 30x42 transp. silicon
Dichtring \varnothing 1"xl \varnothing 30xA \varnothing 42 transp. Siliko



169935
sealing ring \varnothing 1/8"-10,5 x 15x2,0 blue
Dichtring \varnothing 1/8"xl \varnothing 10,5xA \varnothing 15x2 PA blau



173789
sealing ring \varnothing 1" 34 x 39x2 PA6 yellow
Dichtring \varnothing 1"xl \varnothing 34xA \varnothing 39x2 PA gelb



172855
sealing ring \varnothing 1" 36 x 42x2 PA blue
Dichtring \varnothing 1" l \varnothing 36xA \varnothing 42x2 PA blau



169936
sealing ring \varnothing 1/8" 10,5x15x2 PA yellow
Dichtring \varnothing 1/8"xl \varnothing 10,5xA \varnothing 15x2 PA gelb

19.3 Sealing profiles and cords / Dichtungsprofile und Schnüre



165868
O-ring cord \varnothing 1,6
O-Ringschnur \varnothing 1,6 NBR



161504

161504
O-ring cord \varnothing 2
O-Ringschnur \varnothing 2 NBR70



162789
O-ring cord \varnothing 3
O-Ringschnur \varnothing 3 NBR70



167120

167120
O-ring cord \varnothing 4
O-Ringschnur \varnothing 4 NBR



168414

168414
O-ring cord \varnothing 8
O-Ringschnur \varnothing 8 NBR70



165893

165893
bath sealing for large tooling
Dichtung für Großwerkzeug TPE schwarz



163232

163232
cord polyamide external \varnothing 3 mm
Schnur \varnothing 3 PA Rundschnur weiss



161511
foam rubber seal 12 x 8 mm
Dichtung 12x8 EPDM Vierkantschnur



163161

163161
foam rubber seal \varnothing 20 mm
Dichtung \varnothing 20 EPDM Rundschnur 15SH grau



170384

170384
foam rubber seal \varnothing 3 mm
Dichtung \varnothing 3 EPDM Rundschnur 20SH grau



103558
foam rubber seal \varnothing 6 mm 20SH grey
Dichtung \varnothing 6 EPDM Rundschnur 20SH grau



163950
foam rubber seal ø6 mm 40SH grey
Dichtung ø 6 EPDM Rundschnur 40SH grau



163109
foam rubber seal ø7 mm 20SH grey
Dichtung ø 7 EPDM Rundschnur 20SH grau



166053
rubber seal for spacer plates
Dichtung für Lochblenden 3Lippendichtung



105327
rubber seal hollow with leg
Dichtungsprofil EPDM DIN7863 schwarz



103563
rubber seal ø10 mm
Dichtung ø10 Rundschnur NR40ShAgrau



106164
rubber seal ø8 mm 40SH grey
Dichtung ø 8 NR40 Rundschnur 40SH grau



161072
silicon cord ø4 mm 30+/-5 shore A
Silikonschnur ø4 30+/-5 Shore A rotbraun



169745
silicon cord ø6 mm 30+/-5 shore A
Silikonschnur ø6 30+/-5 Shore A rotbraun

20. Short calibrator parts / Kurzkaliberteile

20.1 Centering parts / Zentrierteile



106592
installation gauge for positioning pins
Einbaulehre PT 13x25x90 für Paßbolzen



160671
positioning pin con. 10°_2/0,00 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,0



160672
positioning pin con. 10°_2/0,10 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,1



160673
positioning pin con. 10°_2/0,20 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,2



160674
positioning pin con. 10°_2/0,30 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,3



160675
positioning pin con. 10°_2/0,40 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,4



160676
positioning pin con. 10°_2/0,50 ø10x9,8
Paßeinheit 10° ø12x8 10H7 Versatz 0,5



106713
positioning pin cyl. 0,00 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,0

106787



106787
positioning pin cyl. 0,10 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,1

106788



106788
positioning pin cyl. 0,20 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,2

106789



106789

positioning pin cyl. 0,30 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,3

106790



106790

positioning pin cyl. 0,40 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,4

106791



106791

positioning pin cyl. 0,50 ø10x9,8
Paßeinheit 0° ø12x8 10H7 Versatz 0,5

20.2 Parallel keys / Passfedern

165213



165213

get.SET feather key 00, brass
Passfeder GET.SET 6x13x19,5 Typ 00 MS

162881



162881

get.SET feather key 00, plastic grey
Passfeder GET.SET 6x13x19,5 Typ 00

165214



165214

get.SET feather key 01, brass
Passfeder GET.SET 6x13x19,5 Typ 01 MS

162882



162882

get.SET feather key 01, plastic blue
Passfeder GET.SET 6x13x19,5 Typ 01

165215



165215

get.SET feather key 02, brass
Passfeder GET.SET 6x13x19,5 Typ 02 MS

162883



162883

get.SET feather key 02, plastic yellow
Passfeder GET.SET 6x13x19,5 Typ 02



165216
get.SET feather key 03, brass
Passfeder GET.SET 6x13x19,5 Typ 03 MS



162884
get.SET feather key 03, plastic green
Passfeder GET.SET 6x13x19,5 Typ 03



165217
get.SET feather key 04, brass
Passfeder GET.SET 6x13x19,5 Typ 04 MS



162885
get.SET feather key 04, plastic black
Passfeder GET.SET 6x13x19,5 Typ 04



163674
get.SET feather key 05, brass
Passfeder GET.SET 6x13x19,5 Typ 05 MS



175439
get.SET feather key 05, plastic brown
Passfeder GET.SET 6x13x19,5 Typ 05

20.3 Retaining parts KK20 / Halteteile KK20



163655
get.CARBIDE20 2,2 mm type 2,2
Haltepunkt GET.CARBIDE Typ. 2,2 mit Bund



163654
get.CARBIDE20 2,4 mm type 2,4
Haltepunkt GET.CARBIDE Typ. 2,4 mit Bund



162878
get.CARBIDE20 2,6 mm type 6
Haltepunkt GET.CARBIDE Typ. 2,6 mit Bund



162880
get.CARBIDE20 2,8 mm type 8
Haltepunkt GET.CARBIDE Typ. 2,8 mit Bund



161568
get.CARBIDE20 3,0 mm type 0
Haltepunkt GET.CARBIDE Typ. 3,0 mit Bund



162879
get.CARBIDE20 3,2 mm type 2
Haltepunkt GET.CARBIDE Typ. 3,2 mit Bund



161569
get.CARBIDE20 3,4 mm type 4
Haltepunkt GET.CARBIDE Typ. 3,4 mit Bund

20.4 Retaining parts KK8 / Halteteile KK8



161076
get.CARBIDE8 0_0 type 0 1,8
Haltepunkt GET.CARBIDE Typ 0 (1,8)L7,5



160688
get.CARBIDE8 1_0 type 1 2,0
Haltepunkt GET.CARBIDE Typ 1 (2,0)L7,5



160689
get.CARBIDE8 2_0 type 2 2,2
Haltepunkt GET.CARBIDE Typ 2 (2,2)L7,5



160690
get.CARBIDE8 3_0 type 3 2,4
Haltepunkt GET.CARBIDE Typ 3 (2,4)L7,5



160691
get.CARBIDE8 4_0 type 4 2,6
Haltepunkt GET.CARBIDE Typ 4 (2,6)L7,5



160692
get.CARBIDE8 5_0 type 5 2,8
Haltepunkt GET.CARBIDE Typ 5 (2,8)L7,5



161077
get.CARBIDE8 6_0 type 6 3,0
Haltepunkt GET.CARBIDE Typ 6 (3,0)L7,5



162087
get.CARBIDE8 FU 1_0 type 1 (2,0)
Haltepunkt GET.CARBIDE FU Typ 1 (2,0)



162088
get.CARBIDE8 FU 2_0 type 2 (2,15)
Haltepunkt GET.CARBIDE FU Typ 2 (2,15)



162089
get.CARBIDE8 FU 3_0 type 3 (2,30)
Haltepunkt GET.CARBIDE FU Typ 3 (2,3)



162090
get.CARBIDE8 FU 4_0 type 4 (2,45)
Haltepunkt GET.CARBIDE FU Typ 4 (2,45)



162091
get.CARBIDE8 FU 5_0 type 5 (2,60)
Haltepunkt GET.CARBIDE FU Typ 5 (2,6)



161325
get.CARBIDE8 L L1_0 type LL1 2,4
Haltepunkt GET.CARBIDE LL Typ 1(2,4)L7,5



161327
get.CARBIDE8 L L2_0 type LL2 2,2
Haltepunkt GET.CARBIDE LL Typ 2(2,2)L7,5



161326
get.CARBIDE8 L R1_0 type LR1 2,4
Haltepunkt GET.CARBIDE LR Typ 1(2,4)7,5



161328
get.CARBIDE8 L R2_0 type LR2 2,2
Haltepunkt GET.CARBIDE LR Typ 2(2,2)7,5



161318
get.CARBIDE8 S 0_1 type S0 1,8
Haltepunkt GET.CARBIDE S Typ 0 (1,8)L7,5



161223
get.CARBIDE8 S 1_1 type S1 2,0
Haltepunkt GET.CARBIDE S Typ 1 (2,0)L7,5



161320
get.CARBIDE8 S 2_1 type S2 2,2
Haltepunkt GET.CARBIDE S Typ 2 (2,2)L7,5



161321
get.CARBIDE8 S 3_1 type S3 2,4
Haltepunkt GET.CARBIDE S Typ 3 (2,4)L7,5



161322
get.CARBIDE8 S 4_1 type S4 2,6
Haltepunkt GET.CARBIDE S Typ 4 (2,6)L7,5



161323
get.CARBIDE8 S 5_1 type S5 2,8
Haltepunkt GET.CARBIDE S Typ 5 (2,8)L7,5



161324
get.CARBIDE8 S 6_1 type S6 3,0
Haltepunkt GET.CARBIDE S Typ 6 (3,0)L7,5



177285
get.CARBIDE8 S type A 1,6
Haltepunkt GET.CARBIDE S Typ A (1,6)L7,5

21. Tank Parts / Tankteile

21.1 Connecting parts / Anschlußteile



170371
connecting piece RT ø60x56 A60 I50 2Z
Absaugstutzen RT ø60x56 A60 I50 2Z



162324
connecting piece ø48x28 O48 I30 6/4 DS
Absaugstutzen ECO ø48x28 A48 I30 6/4 DS



107143
connecting piece ø50x63 O50 I12 6/4Z
Absaugstutzen ECO ø50x63 A50 I12 6/4Z



161236
connecting piece ø50x63 O50 I20 6/4Z
Absaugstutzen ECO ø50x63 A50 I20 6/4Z

21.2 Hinges and lifting parts / Scharniere und Hebeteile



170424
Hinge axis RT 18x18x50 3m M left
Scharnierachse RT 18x18x50 3m M links



170575
Hinge axis RT 18x18x50 3m M right
Scharnierachse RT 18x18x50 3m M rechts



161406
Scharnier ECO ø8h9x200 mit Rädern
Scharnier ECO ø8h9x200 mit Rädern



161416
bottom part for ECO bath hinge
Scharnier ECO 40x200x250 UT Design rot



166029
dry calibrator hinge 100 mm assembled
Scharnier PT 100mm Klappscharnier mont



166950
dry calibrator hinge 50 mm assembled
Scharnier PT 050mm Klappscharnier mont



166031
dry calibrator hinge 80mm assembled
Scharnier PT 080mm Klappscharnier mont



102952
hinge cap stainless steel ø8
Kappe mit Achsenklemmring ø 8 A2



106163
hinge for turbo bath, assembled
Scharnier TT 38x110x111 Turbotank



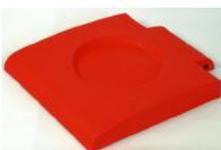
172578
hinge stand RT ø25x16,5 compensation
Scharniersteher RT ø25x16,5 Ausgleich



179019
hinge stay RTx ø25x23,5 compensation V1
Scharniersteher RTx ø25x23,5 AusgleichV1



172528
hinge-seal insert RT ø21x7,5
Scharnierzwischenlage RT ø21x7,5



161417
top part f.front a.middle ECO bath hinge
Scharnier ECO 29x200x218 OTVM Design rot



161418
top part for rear ECO bath hinge red
Scharnier ECO 29x200x218 OTH Design rot

21.3 Spraying / Besprühung

175012



175012

spray nozzle 1/8" 90° round ø 1,45 brass
Sprühdüse 1/8" 90° Rund ø 1,45 MS

102955



102955

spray nozzles ø2 mm, 1/8" NPT
Sprühdüse 1/8" NPTø 2 80/10

21.4 Water and vacuum components / Wasser- und Vakuumteile

170371



170371

connecting piece RT ø60x56 A60 I50 2Z
Absaugstutzen RT ø60x56 A60 I50 2Z

173941



173941

connecting piece RTø50x60 I39 Rd48x1-6Zb
Absaugstutzen RT ø50x 60 I39 Rd48x1-6Zsc

173940



173940

connecting piece RTø60x60 I50 Rd60x1-6Zb
Absaugstutzen RT ø60x 60 I50 Rd60x1-6Zsc

175723



175723

connecting piece RTø60x60 I50 Rd60x1-6Zg
Absaugstutzen RT ø60x 60 I50 Rd60x1-6Z g



162324

connecting piece ø48x28 O48 I30 6/4 DS
Absaugstutzen ECO ø48x28 A48 I30 6/4 DS

102779



102779

connecting piece ø50x61 O50 I38 6/4ZPVC
Absaugstutzen ECO ø50x61 A50 I38 6/4ZPVC



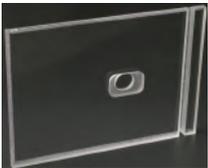
107143
connecting piece ø50x63 O50 I12 6/4Z
Absaugstutzen ECO ø50x63 A50 I12 6/4Z



161236
connecting piece ø50x63 O50 I20 6/4Z
Absaugstutzen ECO ø50x63 A50 I20 6/4Z



175021
sealing ring Ø1" 30x42 transp. silicon
Dichtring Ø1"xlø 30xAØ 42 transp. Siliko



161392
vacuum flap 111 x 80 x 6 mm
Vakuumregelklappe ECO 15x80x100 hinten



161507
vacuum flap front f. ECO bath 81x60x6 mm
Vakuumklappe ECO 15x56x77 vorne

22. Thread Taps / Gewindebohrer

22.1 Machine taps / Maschinengewindebohrer



101751
machine screw tap DIN 371 M3
MGB M 3 GL 56 DS 3,5 VK 2,7 Sack STD HSS



101753
machine screw tap DIN 371 M4
MGB M 4 GL 63 DS 4,5 VK 3,4 Sack STD HSS



101754
machine screw tap DIN 371 M5
MGB M 5 GL 70 DS 6 VK 4,9 Sack STD HSS



101756
machine screw tap DIN 371 M8
MGB M 8 GL 90 DS 8 VK 6,2 Sack STD HSS

22.2 Tap wrenches / Windeisen



103494
adjustable drill holder no.1 M1-12
Windeisen DIN1814 Nr.1 M1-12 verstellbar



103496
adjustable drill holder no.3 M5-20
Windeisen DIN1814 Nr.3 M5-20 verstellbar