



Screwdriving technology

Automation

Air motors

Air tools

DEPRAG

ACCESSORIES

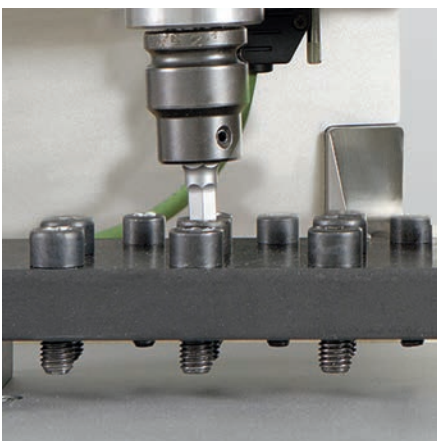
Inserting Tools for Screwdrivers

- Bits
- Sockets
- Finders
- Bit holders

With the longest lifetime and highest wear resistance combined with the best fits, our inserting tools are designed for the industrial use.

The large variety of this assortment combines standard inserts and inserts for special applications. If those cannot be used,

we also offer custom made bits. Whatever fastener needs to be assembled, we have the right tool for you. To achieve the utmost economical solution in regard to wear, usage and price, DEPRAG will support you with detailed advise and service. Please don't hesitate to ask us.



PRODUCT SPECTRUM INSERTING TOOLS

Inserting Tools

Type of Screw

find on

for NANOMAT and MICROMAT Screwdrivers

bits, finders	slotted screws	Page 3
bits, finders, bit holders	PHILLIPS and POZIDRIV screws	Page 4
bits, bit holders	allen screws, torx screws and threaded pins	Page 4 / 5
sockets with shaft	hex. screws and hex. nuts	Page 5
semi-finished bits and finders, special bits	–	Page 5

for MINIMAT, Recycling, Slip clutch, Pulse tools, Electric Screwdrivers

bits, finders, bit holders, special bits	slotted screws	Page 6 / 7
bits, finders, bit holders	PHILLIPS and POZIDRIV screws	Page 8 / 9
threaded bit tips, bit holder (threaded), semi-finished finders, special bits, adapters and chuck for stud screws		Page 10 / 11
threaded bit tips	torx screws	Page 10
bits, bit holders	allen screws, torx screws and threaded pins	Page 12 / 13

for SENSOMAT and MINIMAT-T Screwdrivers

sensor sleeves, bits	slotted screws	Page 14 / 15
sensor sleeves, bits, bit holders	PHILLIPS and POZIDRIV screws	Page 14 / 15

for Ratchet wrench

sockets, holder	hex. screws and hex. nuts	Page 16
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for MINIMAT, Recycling, Slip clutch, Pulse tools, Electric Screwdriver, Impact Wrenches and EC-SERVO Screwdriver

sockets	hex. screws and hex. nuts	Page 16 / 17 / 18
extensions / ball joints	internal-□, external-□	Page 18 / 19
bits, holder	internal hex. screws, threaded pins	Page 19 / 20
chuck for stud screws	stud screws	Page 19
locking pins and rubber rings	–	Page 20

FIND A MUCH LARGER RANGE OF INSERTING TOOLS ON THE INTERNET

Inserting Tools for Screwdrivers



Your Online Selection Tool

- One Stop Shop
- process reliable
- efficient
- economical
- high degree of re-usability

Use our online selection tool to easily find the best-suited bit or socket for your screwdriver:

Socket Inserts for screwdrivers

Bits/ Bits | Semi-Finished Bits | Sockets | Bitholder | Finder Sleeve | Finder

shape of bit tip: 

size of bit tip:

drive: 

length of bit:

This brochure shows a small selection of inserting tools available for our NANOMAT/ MICROMAT/ MINIMAT screwdrivers.

You will find a much larger range of these inserting tools on the Internet as follows:

www.deprag.com / Screwdriving Technology / Products / Accessories / Online Selection Tool for Inserts

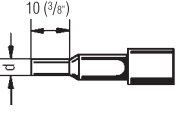
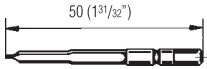
This selection program is updated permanently and allows you to look for suitable inserting tools for your DEPRAG screwdriver yourself.

Simply pick the required parameters from the shown listing by mouse click and you will get the respective part no. including an information about the lead time.

All you have to do now is to send an inquiry to export@deprag.de via e-mail and we will arrange to send you our related offer either directly or via our respective local representative.

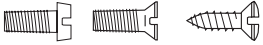
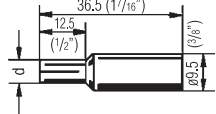
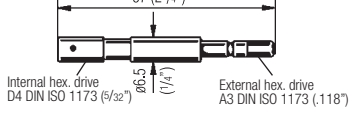
FOR NANOMAT and MICROMAT SCREWDRIVER

Bits, finders (without and with screw suction)

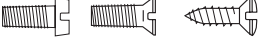
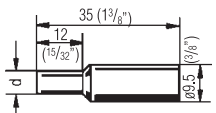
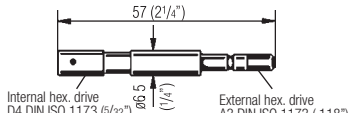
 slotted screws		finder 1) *)		bit			
							
mm	head dia. in.	mm	d in.	Part no.	mm	blade in.	Part no.
3.0	.118	4.0	.16	325612	0.4 x 2.0	.016 x .080	341689
3.0	.118	4.0	.16	341697	0.4 x 2.5	.016 x .098	341690
3.8	.150	4.8	.19	323862	0.5 x 3.0	.020 x .122	323854
4.2	.165	5.3	.21	341739	0.6 x 3.5	.024 x .134	341691
4.3	.170	5.5	.22	341740	0.5 x 3.0	.020 x .122	323854
4.5	.177	5.6	.22	341698	0.6 x 3.5	.024 x .134	341691
4.7	.185	5.8	.23	341702	0.6 x 3.5	.024 x .134	341691
5.6	.220	6.6	.26	323864	0.8 x 4.0	.032 x .154	341692

1) hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

Bits, slotted finders, bit holder (non-magnetic)

 slotted screws		finder *)		bit		bit holder (non-magnetic)	
							
mm	head dia. in.	mm	d in.	Part no.	mm	blade in.	Part no.
3.8	.150	5.0	.20	803940	0.5 x 3	.020 x .122	803606
4.2	.165	5.5	.22	341783	0.6 x 3.5	.024 x .134	803935
4.3	.170	5.5	.22	341784	0.5 x 3	.020 x .122	803606
4.5	.177	6.0	.24	803944	0.6 x 3.5	.024 x .134	803935
4.7	.185	6.0	.24	803943	0.6 x 3.5	.024 x .134	803935
5.5	.216	7.0	.28	803943	0.8 x 4	.032 x .154	803607
5.6	.220	7.0	.28	803943	0.8 x 4	.032 x .154	803607

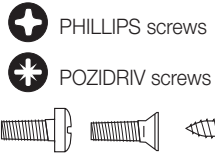
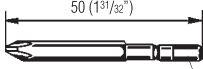
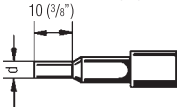
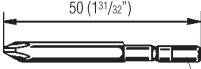
Bits, finders, bit holder (magnetic)

 slotted screws		finder *)		bit		bit holder (non-magnetic)	
							
mm	head dia. in.	mm	d in.	Part no.	mm	blade in.	Part no.
3.8	.150	5.0	.20	803945	0.5 x 3	.020 x .122	803606
4.2	.165	5.5	.22	803949	0.6 x 3.5	.024 x .134	803935
4.3	.170	5.5	.22	803949	0.6 x 3.5	.024 x .134	803935
4.5	.177	5.5	.22	803946	0.6 x 3.5	.024 x .134	803935
4.7	.185	6.0	.24	803946	0.6 x 3.5	.024 x .134	803935
5.5	.216	7.0	.28	803948	0.8 x 4	.032 x .154	803607
5.6	.220	7.0	.28	803948	0.8 x 4	.032 x .154	803607

*) suitable for MICROMAT screwdrivers. Finders for NANOMAT on special request.

FOR NANOMAT and MICROMAT SCREWDRIVER

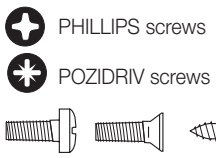
Bits, finders (without and with screw suction)

 PHILLIPS screws POZIDRIV screws			without screw suction bit		finder 1) *)			with screw suction bit	
			 External hex. drive A3 DIN ISO 1173 (.118")					 External hex. drive A3 DIN ISO 1173 (.118")	
point size	head dia.		PHILLIPS Part no.	POZIDRIV Part no.	d		Part no.	PHILLIPS Part no.	POZIDRIV Part no.
mm	in.				mm	in.			
0	3.0	.118	323906	803613	3.8	.15	323861	323906	353571
0	3.2	.125			4.2	.16	329719		
1	3.8	.150			4.8	.19	323862		
1	4.0	.157			5.2	.20	326230		
1	4.2	.165	323907	323908	5.2	.20	324571	323907	323908
1	4.3	.170			5.2	.20			
1	4.7	.185			5.7	.22	324341		
1	5.0	.196			6.6	.26	326231		
1	5.5	.216			6.6	.26	323864		
1	5.6	.220			6.6	.26			
1	6.0	.236			7.0	.27	324659		

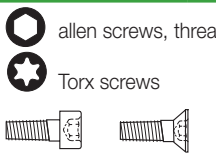
1) hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

*) suitable for MICROMAT screwdriver. Finders for NANOMAT on special request.

Bits, bit holders (non-magnetic and magnetic)

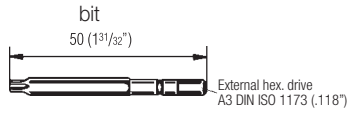
 PHILLIPS screws POZIDRIV screws		bit		bit holder (non-magnetic) or bit holder (magnetic)	
point size		PHILLIPS Part no.	POZIDRIV Part no.	Part no.	Part no.
0		803950	803924	803930	803929
1		803951	803925		
2		803952	803612		

Bits, bit holders (non-magnetic and magnetic)

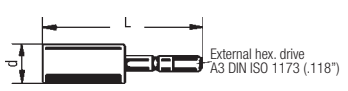
 allen screws, threaded pins Torx screws		allen bit	Torx bit	bit holder (non-magnetic) or bit holder (magnetic)	
AF mm	Torx size	Part no.	Part no.	non-magnetic Part no.	magnetic Part no.
—	T 6	—	803600	803930	803929
0.9	T 7	803955	803604		
1.5	T 8	803956	803601		
2	T 9	803957	803603		
2.5	T 10	803958	803602		
3	T 15	803959	803608		

FOR NANOMAT and MICROMAT SCREWDRIVER

Bits

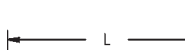
 Torx screws 		
Torx size		Part no.
T 6		803926
T 7		803586
T 8		803587
T 10		803589

Sockets with shaft (without and with screw suction)

 hex. screws		without screw suction						with screw suction							
 hex. nuts		socket with shaft						spring sleeve *)							
															
		External hex. drive A3 DIN ISO 1173 (118")						External hex. drive A3 DIN ISO 1173 (118")							
AF		d		L		Part no.		Part no.		d		L		Part no.	
mm	in.	mm	in.	mm	in.					mm	in.	mm	in.		
4.0	5/32	8	5/16	43	1 11/16	803960	330633	7	9/32	40	1 9/16	324587	330239		
—	3/16	—	—	—	—	—		7	9/32	43	1 11/16	330239			
5.0	—	9	23/64	43	1 11/16	803961	330634	8	5/16	40	1 9/16	324588	324589		
5.5	7/32	10	23/64	43	1 11/16	803962		8	5/16	44	1 23/32	324589			
—	1/4	—	—	—	—	—		9.5	3/8	45	1 25/32	330241			

Semi-finished bits and finders (not hardened)

special bits

finder *)																											
												External hex. drive A3 DIN ISO 1173 (.118")				External hex. drive A3 DIN ISO 1173 (.118")				External hex. drive A3 DIN ISO 1173 (.118")							
D	d ₁	d ₂	L	l	t	Part no.	d	L	Part no.	blade	L	Part no.	point size			PHILLIPS	POZIDRIV										
mm	in.	mm	in.	mm	in.		mm	in.	mm	in.	mm	in.		mm	in.	Part no.	Part no.										
5.0	.20	1.5	.06	3.0	.12	30.5 ¹³ / ₆₄	24	¹⁵ / ₁₆	19.5 ⁴⁹ / ₆₄	490013	3.6	.14	102	4	490230	0.20x1.0	.008x.040	50	¹³¹ / ₃₂	324098	1	75	²¹⁵ / ₁₆	328176	333917		
5.5	.22	1.5	.06	3.9	.15	30.5 ¹³ / ₆₄	24	¹⁵ / ₁₆	19.5 ⁴⁹ / ₆₄	490014	3.6	.14	130	⁵¹ / ₈	490229	0.25x1.5	.010x.060	50	¹³¹ / ₃₂	324099	1	90	³⁹ / ₁₆	339921	339922		
6.6	.26	1.5	.06	4.8	.19	31.5 ¹¹ / ₄	25	³¹ / ₃₂	20.5 ¹³ / ₁₆	490015	4.0	.16	100	³¹ / ₁₆	490228	0.25x2.0	.010x.080	50	¹³¹ / ₃₂	324100	1	102	4	327520	337990		
6.6	.26	—	—	4.8	.19	84.5 ³²¹ / ₆₄	78	³¹ / ₁₆	20.5 ¹³ / ₁₆	490069	4.0	.16	152	6	490212	0.40x4.0	.016x.154	90	³⁹ / ₁₆	339923	0	152	6	348426	—		
																0.50x4.0	.020x.154	90	³⁹ / ₁₆	339924	1	152	6	348430	348431		
																0.70x4.0	.028x.154	90	³⁹ / ₁₆	339925							

*) suitable for MICROMAT screwdriver. Spring sleeves or finder for NANOMAT on special request.

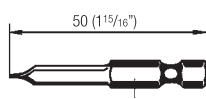
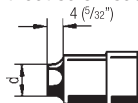
FOR MINIMAT, RECYCLING, SLIP CLUTCH SCREWDRIVERS

 slotted screws



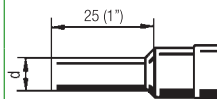
Bits, finders

short execution
without screw suction

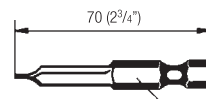


External hex. drive
E6.3 DIN ISO 1173 (1/4")

long execution
without screw suction



with screw suction (only
MINIMAT straight screwdr.
size 1 and size 2)



External hex. drive
E6.3 DIN ISO 1173 (1/4")

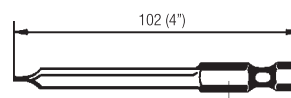
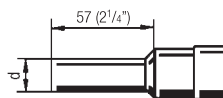
head dia.		d		finder 1) Part no.	blade		bit Part no.	d		finder 1) Part no.	blade		bit Part no.
mm	in.	mm	in.		mm	in.		mm	in.		mm	in.	
3.8	.150	5.5	.22	322575	0.5 x 3	.020 x .122	804001	6	.24	325246	0.5 x 3	.020 x .122	804021
4	.157	5.5	.22		0.5 x 3	.020 x .122		—	—	—	—	—	—
4.2	.165	5.5	.22		0.5 x 3	.020 x .122		6	.24	325247	0.5 x 3	.020 x .122	804021
4.3	.170	6	.24	342338	0.6 x 3.5	.024 x .134	803598	6	.24	325248	0.5 x 3	.020 x .122	
4.5	.177	6	.24	342337	0.6 x 3.5	.024 x .134		6	.24	325249	0.5 x 3	.020 x .122	
4.7	.185	7	.28		0.6 x 3.5	.024 x .134		6.5	.26	—	0.5 x 3	.020 x .122	—
5	.196	7	.28	342346	0.6 x 4.5	.024 x .177	803590	—	—	—	—	—	—
5.6	.220	7	.28	322573	0.8 x 4	.032 x .154	803592	7	.28	325133	0.8 x 4	.032 x .154	803595
6	.236	7.5	.30	342340	0.8 x 5.5	.032 x .215	804012	7.5	.30	325751	0.8 x 4	.032 x .154	
6.5	.255	8.5	.33	342344	0.8 x 4	.032 x .154	803592	—	—	—	—	—	—
6.9	.271	8.5	.33	342339	1 x 5.5	.038 x .215	803593	8.5	.33	325250	1 x 5.5	.038 x .215	803596
7	.275	8.5	.33		0.8 x 5.5	.032 x .215	804012	—	—	—	—	—	—
7	.275	8.5	.33		1 x 5.5	.038 x .215	803593	8.5	.33	325250	1 x 5.5	.038 x .215	803596
7.5	.295	9.5	.37	342342	1 x 5.5	.038 x .215		9	.35	342258	1 x 5.5	.038 x .215	
8.2	.323	9.5	.37	342341	1.2 x 6.5	.046 x .255	803872	9.5	.37	342249	1.2 x 6.5	.046 x .255	803873
8.3	.326	10.5	.41	342345	1 x 5.5	.038 x .215	803593	—	—	—	—	—	—
8.5	.334	12	.47	322630	1.2 x 8	.046 x .255	804007	10	.39	342248	1.2 x 6.5	.046 x .255	803873
9	.354	10.5	.41	342345	1 x 5.5	.038 x .215	803593	—	—	—	—	—	—
9.2	.362	12	.47	322630	1.2 x 8	.046 x .312	804007	11	.43	325255	1.2 x 8	.046 x .312	804027
9.5	.374	12	.47		1.2 x 8	.046 x .312		11	.43	325256	1.2 x 8	.046 x .312	
10	.395	12	.47		1.2 x 8	.046 x .312		12	.47	325170	1.2 x 8	.046 x .312	
10	.395	12	.47	342343	1.6 x 8	.063 x .312	803594	12	.47	—	1.6 x 8	.063 x .312	803597
11	.433	13	.51		1.6 x 8	.063 x .312		13	.51	342260	1.6 x 8	.063 x .312	

FOR MINIMAT, SLIP CLUTCH SCREWDRIVERS

 slotted screws



Special bits, finders



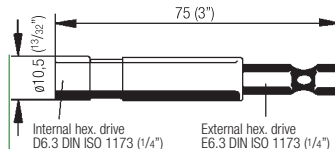
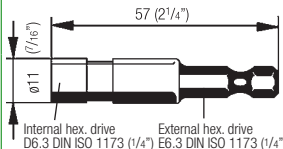
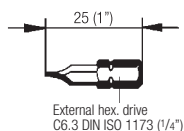
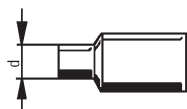
External hex. drive
E6.3 DIN ISO 1173 (1/4")

head dia.		d		finder 1) Part no.	blade		bit Part no.
mm	in.	mm	in.		mm	in.	
3.8	.150	—	—	—	—	—	—
4	.157	—	—	—	—	—	—
4.2	.165	6	.24	353891	0.7 x 3.5	.028 x .134	804013
4.3	.170	6	.24		0.7 x 3.5	.028 x .134	
4.5	.177	6	.24		0.7 x 3.5	.028 x .134	
4.7	.185	6.5	.26	353894	0.7 x 3.5	.028 x .134	804015
5	.196	—	—	—	—	—	
5.6	.220	7	.28	353897	0.8 x 4	.032 x .154	
6	.236	7.5	.30	333680	0.8 x 4.7	.032 x .187	804018
6.5	.255	—	—	—	—	—	—
6.9	.271	8.5	.33	332770	0.9 x 5.5	.036 x .215	804015
7	.275	—	—	—	—	—	
7	.275	8.5	.33	332770	0.9 x 5.5	.036 x .215	
7.5	.295	9	.35	346365	1 x 6.3	.038 x .250	804019
8.2	.323	9.5	.37	333681	1 x 7	.038 x .275	804016
8.3	.326	—	—	—	—	—	—
8.5	.334	10	.39	351811	1 x 7	.038 x .275	804016
9	.354	—	—	—	—	—	—
9.2	.362	11	.43	331735	1.2 x 8	.046 x .312	804017
9.5	.374	11.5	.45	351813	1.2 x 8	.046 x .312	
10	.395	12	.47	326388	1.2 x 8	.046 x .312	
10	.395	12	.47		1.2 x 8	.046 x .312	
11	.433	13	.51		1.2 x 8	.046 x .312	

¹⁾ hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

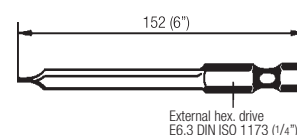
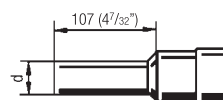
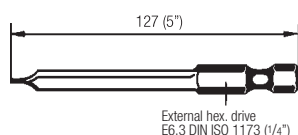
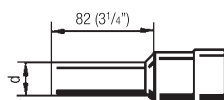
FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

Bits, finders, bit holders (non-magnetic and magnetic)



d		finder Part no.	blade		bit Part no.	bit holder (non-magnetic) Part no.	bit holder (magnetic) Part no.
mm	in.		mm	in.			
6	.24	354698	0.5 x 3	.020 x .122	820883	804602	821068
6	.24		0.5 x 3	.020 x .122			
6.5	.26	354699	0.6 x 3.5	.024 x .134			
6.5	.26		0.6 x 3.5	.024 x .134	8210713		
7	.28	354700	0.6 x 3.5	.024 x .134			
7	.28		0.6 x 3.5	.024 x .134			
7.5	.30	341388	0.6 x 4.5	.024 x .177	803841		
8	.31	354701	0.8 x 5	.032 x .196	803842		
8	.31	334920	0.8 x 5.5	.032 x .215			
8.5	.33	354702	0.8 x 5.5	.032 x .215			
9	.35	354468	0.8 x 5.5	.032 x .215	803969		
9	.35		0.8 x 5.5	.032 x .215			
9	.35	354703	1.2 x 6.5	.046 x .255	8210723		
10	.39	354704	1 x 5.5	.038 x .215	821075		
10.5	.41	354705	1.2 x 6.5	.046 x .255	8210723		
10.5	.41	354706	1 x 5.5	.038 x .215	821075		
10.5	.41	354707	1.2 x 8	.046 x .312	803846		
11	.43	354708	1 x 5.5	.038 x .215	821075		
11.5	.45	354709	1.2 x 6.5	.046 x .255	8210723		
11.5	.45	354710	1.2 x 8	.046 x .312	803846		
12.5	.49	354711	1.2 x 8	.046 x .312			
12.5	.49		1.6 x 8	.063 x .312	821076		
13.5	.53	354712	1.6 x 8	.063 x .312			

without screw suction / with screw suction (only MINIMAT straight screwdriver size 1 and size 2)



d		finder 1) Part no.	blade		bit Part no.	d		finder 1) Part no.	blade		bit Part no.
mm	in.		mm	in.		mm	in.		mm	in.	
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
7	.28	353904	0.8 x 4	.032 x .154	804034	7	.28	343915	0.8 x 4	.032 x .154	803979
7.5	.30	330731	0.8 x 4.7	.032 x .187	804039	7.5	.30	328972	0.8 x 4.7	.032 x .187	803980
—	—	—	—	—	—	—	—	—	—	—	—
8.5	.33	353905	0.9 x 5.5	.036 x .215	804035	8.5	.33	353911	0.9 x 5.5	.036 x .215	803981
—	—	—	—	—	—	—	—	—	—	—	—
8.5	.33	353905	0.9 x 5.5	.036 x .215	804035	8.5	.33	353911	0.9 x 5.5	.036 x .215	803981
9	.35	330178	1 x 6.3	.038 x .250	804033	9	.35	353912	1 x 6.3	.038 x .250	803982
9.5	.37	353906	1 x 7	.038 x .275	804036	9.5	.37	353913	1 x 7	.038 x .275	803983
—	—	—	—	—	—	—	—	—	—	—	—
10	.39	326669	1 x 7	.038 x .275	804036	10	.39	332775	1 x 7	.038 x .275	803983
—	—	—	—	—	—	—	—	—	—	—	—
11	.43	353907	1.2 x 8	.046 x .312	8040371	11	.43	353914	1.2 x 8	.046 x .312	803984
11.5	.45	353909	1.2 x 8	.046 x .312		11.5	.45	353915	1.2 x 8	.046 x .312	
12	.47	325518	1.2 x 8	.046 x .312		12	.47	337006	1.2 x 8	.046 x .312	
12	.47		1.2 x 8	.046 x .312		12	.47		1.2 x 8	.046 x .312	
13	.51	353910	1.2 x 8	.046 x .312		13	.51	353916	1.2 x 8	.046 x .312	

1) hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

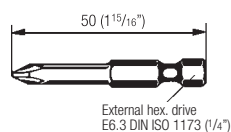
PHILLIPS screws

POZIDRIV screws

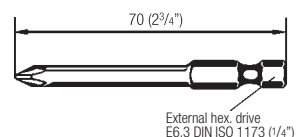


Bits

short execution
without screw suction



long execution
without screw suction



point size	head dia.		PHILLIPS Part no.	POZIDRIV Part no.	PHILLIPS Part no.	POZIDRIV Part no.
	mm	in.				
0	3.8	.150	804040	—	804045	—
1	3.8	.150	804041	803985	804046	803988
1	4	.157				
1	4.3	.170				
1	4.7	.185				
1	5	.196				
1	5.6	.220	804042	803986	804047	803989
1	6	.236				
2	6.5	.255				
2	6.9	.271				
2	7	.275				
2	7.5	.295				
2	8.2	.323				
2	8.3	.326				
2	9	.354				
2	9.2	.362				
2	9.5	.374	804043	803987	804048	803990
2	10	.395				
3	11	.433				
3	12	.472				
3	12.5	.492	804044	803991	—	—
4	14.5	.573				
4	16	.630				

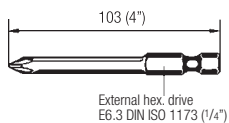
FOR MINIMAT, RECYCLING, SLIP CLUTCH, ELECTRIC SCREWDRIVERS

PHILLIPS screws

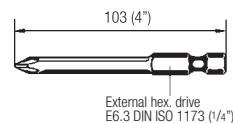
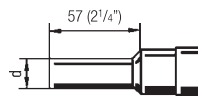
POZIDRIV screws



without
screw suction



with screw suction (only
MINIMAT straight screwdriver size 1 and size 2)



point size	head dia.		PHILLIPS Part no.	POZIDRIV Part no.	d		finder ¹⁾ Part no.	PHILLIPS Part no.	POZIDRIV Part no.
	mm	in.			mm	in.			
1	3.8	.150	324963	324686	7	.28	353917	353921	353922
1	4	.157			7	.28	353931		
1	4.3	.170			7	.28	353933		
1	4.7	.185			7	.28	353934		
1	5	.196			7	.28	353935		
1	5.6	.220	324331	324842	7.5	.30	334181	324963	324686
1	6	.236			7.5	.30	333680		
2	6.5	.255			—	—	—	—	—
2	6.9	.271			8.5	.33	338337		
2	7	.275			—	—	—	324331	324842
2	7.5	.295			9	.35	346365		
2	8.2	.323			10	.39	344104	—	—
2	8.3	.326			—	—	—		
2	9	.354			—	—	—	324331	324842
2	9.2	.362			11	.43	331735		
2	9.5	.374			11.5	.45	351813		
2	10	.395			12	.47	326388		

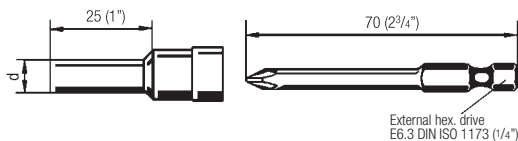
¹⁾ hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

FOR MINIMAT SCREWDRIVERS

FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

Bits, finders

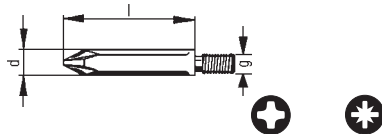
long execution, with screw suction (only MINIMAT straight screwdriver size 1 and size 2)



									non-						magnetic and		
mm	d	finder 1)	PHILLIPS	POZIDRIV	PHILLIPS	POZIDRIV	mm	L	magnetic	mm	L	magnetic	mm	L	quick change		
	in.	Part no.	Part no.	Part no.	Part no.	Part no.		in.	Part no.		in.	Part no.		in.	chuck		
															Part no.		
6	.24	325246	804045	—	804635	8046413											
6	.24																
5	.20	330742	338894	339140	804636	804665											
6	.24	325247															
6.5	.26	325249															
6.5	.26	329280															
7	.28	325220	804046	803988													
7.5	.30	325181															
—	—	—	—	—						75	3	821068					
8.5	.33	325251	804047	803989			57	2 ¹ / ₄	804602	100	3 ¹⁵ / ₁₆	337722					
—	—	—	—	—			102	4	8046391	150	5 ²⁹ / ₃₂	330744	51.5	2 ¹ / ₃₂	821692		
9	.35	325260	804047	803989	804637	804666	152	6	8046141	204	8 ¹ / ₃₂	335481	76.5	3	820150		
9.5	.37	325253					203	8	8129441	250	9 ²⁷ / ₃₂	334086	151.5	5 ³¹ / ₃₂	358131		
—	—	—	—	—						300	11 ¹³ / ₁₆	330745					
—	—	—															
11	.43	325255	804047	803989	804638	804667											
11	.43	325256															
12	.47	325170															
13	.51	342260	804048	803990													
—	—	—			804638	804667											
—	—	—	—	—	804640	804674											
—	—	—															
—	—	—															

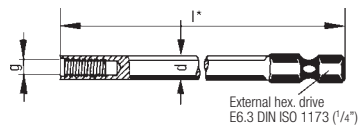
FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

Threaded bit tips



point size	d mm	d in.	g mm	g in.	l mm	l in.	PHILLIPS Part no.	POZIDRIV Part no.
1	5.56	⁷ / ₃₂	8-32	22	⁷ / ₈		8037441	8037071
1	6.35	¹ / ₄	10-32	34	¹¹ / ₃₂		8037471	8037481
1	5	¹³ / ₆₄	M 4	25	1		8037281	—
1	5.5	⁷ / ₃₂	M 4	25	1		—	8037503
2	5.56	⁷ / ₃₂	8-32	22	⁷ / ₈		8037451	8037291
2	6.35	¹ / ₄	10-32	34	¹¹ / ₃₂		8037461	8037491
2	6	¹⁵ / ₆₄	M 5	34	¹¹ / ₃₂		803855	803856

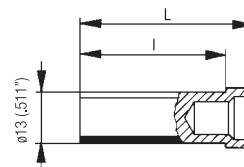
Bit holder (threaded)



d mm	d in.	g mm	g in.	l mm	l in.	Part no.
5.6	⁷ / ₃₂	8-32	80	³⁵ / ₃₂		337500
5.6	⁷ / ₃₂	8-32	105	⁴¹ / ₈		337499
5.6	⁷ / ₃₂	8-32	130	⁵¹ / ₈		334316
5.6	⁷ / ₃₂	8-32	156	⁶⁵ / ₃₂		353697
5.6	⁷ / ₃₂	8-32	168	⁶⁵ / ₈		334420
5.6	⁷ / ₃₂	8-32	178	7		353694
6.35	¹ / ₄	10-32	68	²¹¹ / ₁₆		337497
6.35	¹ / ₄	10-32	93	³²¹ / ₃₂		336707
6.35	¹ / ₄	10-32	118	⁴²¹ / ₃₂		334315
6.35	¹ / ₄	10-32	144	⁵⁴³ / ₆₄		341042
6.35	¹ / ₄	10-32	156	⁶⁵ / ₃₂		334421
6.35	¹ / ₄	10-32	166	⁶¹⁷ / ₃₂		355758
5.5	⁷ / ₃₂	M 4	77	³¹ / ₃₂		337520
5.5	⁷ / ₃₂	M 4	102	⁴¹ / ₆₄		337521
5.5	⁷ / ₃₂	M 4	127	5		335637
5.5	⁷ / ₃₂	M 4	153	⁶¹ / ₃₂		354233
5.5	⁷ / ₃₂	M 4	165	⁶¹ / ₂		341765
5.5	⁷ / ₃₂	M 4	175	⁶⁵⁷ / ₆₄		347107
7	⁹ / ₃₂	M 5	68	²¹¹ / ₁₆		348745
7	⁹ / ₃₂	M 5	77	³¹ / ₃₂		344689
7	⁹ / ₃₂	M 5	92	³⁵ / ₈		349569
7	⁹ / ₃₂	M 5	102	⁴¹ / ₆₄		344819
7	⁹ / ₃₂	M 5	117	⁴³⁹ / ₆₄		345466
7	⁹ / ₃₂	M 5	127	5		343309
7	⁹ / ₃₂	M 5	143	⁵⁵ / ₈		357736
7	⁹ / ₃₂	M 5	155	⁶³ / ₃₂		346886
7	⁹ / ₃₂	M 5	165	⁶¹ / ₂		348235
7	⁹ / ₃₂	M 5	170	⁶¹¹ / ₁₆		348417
8	⁵ / ₁₆	M 6	77	³¹ / ₃₂		362258
8	⁵ / ₁₆	M 6	102	⁴¹ / ₆₄		370770
8	⁵ / ₁₆	M 6	127	5		371868
8	⁵ / ₁₆	M 6	155	⁶³ / ₃₂		351713
8	⁵ / ₁₆	M 6	185	⁷⁹ / ₃₂		351533

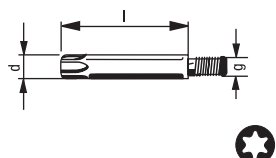
Semi-finished finders (not hardened)

(not for Electric Screwdrivers)



L mm	L in.	l mm	l in.	bit length mm	bit length in.	Part no.
23	²⁹ / ₃₂	15	¹⁹ / ₃₂	50	¹¹⁵ / ₁₆	490199
44	¹²³ / ₃₂	37	¹¹⁵ / ₃₂	70	²³ / ₄	490031
64	¹¹ / ₂	57	²¹ / ₄	89	³¹ / ₂	490105
101	³²¹ / ₃₂	94	³¹¹ / ₁₆	102/127	4 / 5	490107
126	³²¹ / ₃₂	119	⁴¹¹ / ₁₆	152	6	490108

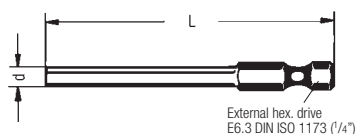
Threaded bit tips



torx size	d mm	d in.	g mm	g in.	l mm	l in.	torx Part no.
T 8	5.5	⁷ / ₃₂	M 4	25	1		8202353
T 10	6	¹⁵ / ₆₄	10-32	34	¹¹¹ / ₃₂		8222353
T 10	5.5	⁷ / ₃₂	M 4	25	1		803753
T 10	6	¹⁵ / ₆₄	M 5	34	¹¹¹ / ₃₂		8238943
T 15	6	¹⁵ / ₆₄	10-32	34	¹¹¹ / ₃₂		8129453
T 15	5.5	⁷ / ₃₂	M 4	25	1		803754
T 15	6	¹⁵ / ₆₄	M 5	34	¹¹¹ / ₃₂		8206033
T 20	6	¹⁵ / ₆₄	10-32	34	¹¹¹ / ₃₂		8202973
T 20	5.5	⁷ / ₃₂	M 4	25	1		8037563
T 20	6	¹⁵ / ₆₄	M 5	34	¹¹¹ / ₃₂		8128943
T 20	7	⁹ / ₃₂	M 5	25	1		8210423
T 25	6	¹⁵ / ₆₄	10-32	34	¹¹¹ / ₃₂		8202983
T 25	5.5	⁷ / ₃₂	M 4	25	1		8250083
T 25	6	¹⁵ / ₆₄	M 5	34	¹¹¹ / ₃₂		8221063
T 25	7	⁹ / ₃₂	M 6	25	1		8217603
T 30	6	¹⁵ / ₆₄	10-32	34	¹¹¹ / ₃₂		8202993
T 30	7	⁹ / ₃₂	M 5	25	1		8037063
T 30	7	⁹ / ₃₂	M 6	25	1		8210613
T 40	7	⁹ / ₃₂	M 5	25	1		8219323

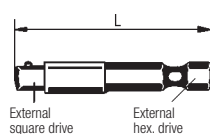
*) special lengths upon request

Special bits (not hardened)



d	L	Part no.
mm	in.	mm
in.	in.	in.
7	.275	70
7	.275	102
7	.275	127
7	.275	152
7	.275	200
7	.275	260
7	.275	300
8	.315	300

Adapters



square drive	L	Part no.
mm	in.	mm
in.	in.	in.
1/4"	50	2
1/4"	76	3
1/4"	100	3 15/16
1/4"	152	6
1/4"	203	8
1/4"	254	10
1/4"	305	12
1/4"	355	14
1/4"	406	16
3/8"	50	2
3/8"	76	3
3/8"	100	3 15/16
3/8"	152	6
3/8"	254	10
1/2"	50	2
1/2"	152	6

Chuck for stud screws



D	L	Part no.
mm	in.	mm
in.	in.	in.
9	11/32	50
9	11/32	50
9	11/32	50
9	11/32	50
16	5/8	55
16	5/8	55
16	5/8	55

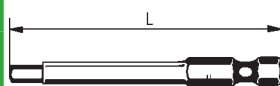
FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

Bits

allen screws,
threaded pins

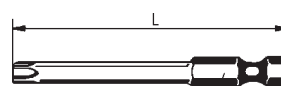


Torx screws



External hex. drive
E6.3 DIN ISO 1173 (1/4")

allen bit

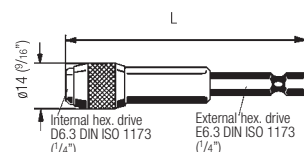
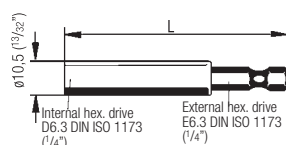
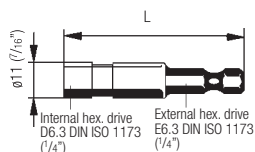
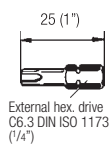
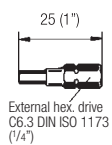


External hex. drive
E6.3 DIN ISO 1173 (1/4")

Torx bit

AF mm	AF in.	Torx- size	L = 50 (1 ¹⁵ / ₁₆ "") Part no.	L = 70 (2 ³ / ₄ "") Part no.	L = 50 (1 ¹⁵ / ₁₆ "") Part no.	L = 70 (2 ³ / ₄ "") Part no.	L = 89 (3 ¹ / ₂ "") Part no.	L = 152 (6") Part no.
1.5	—	T 6	—	—	821092	821516	8210551	823038
2	⁵ / ₆₄	T 7	3248143	327153	8035351	8035481	8035601	8235201
—	³ / ₃₂	T 8	8036701	333277	803536	8038663	803561	803575
2.5	—	T 9	804114	325565	8035371	8035491	8035621	8035761
—	⁷ / ₆₄	T 10	803671	—	8038691	803550	8035631	803868
3	—	T 15	804115	803975	8035381	812914	8035641	8035771
—	¹ / ₈	T 20	803672	—	8035391	812915	8035651	8035781
—	⁹ / ₆₄	T 25	803673	—	8035401	812916	8035661	8035791
4	⁵ / ₃₂	T 27	804116	803976	8035411	812917	8229951	8035801
—	³ / ₁₆	T 30	803675	—	8035421	812918	8035681	8035811
5	—	T 40	804117	803977	8035431	803556	8035691	8035821
—	⁷ / ₃₂	—	803676	—	—	—	—	—
6	—	—	804118	803978	—	—	—	—
—	¹ / ₄	—	803677	—	—	—	—	—
8	⁵ / ₁₆	—	803678	8129283	—	—	—	—

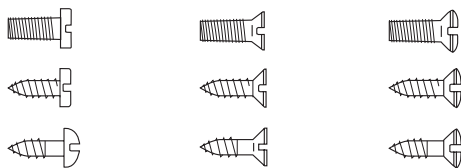
Bits, bit holders (non-magnetic and magnetic)



allen bit Part no.	Torx bit Part no.	L		non-magnetic Part no.	L		magnetic Part no.	L		magnetic- and quick change chuck Part no.
		mm	in.		mm	in.		mm	in.	
820302	803520									
804668	803521									
803682	803522									
804669	803523									
—	803524									
804670	803525	57	2 ¹ / ₄	804602	75	3	821068	51.5	2 ¹ / ₃₂	821692
803684	803526	102	4	8046391	100	3 ¹⁵ / ₁₆	337722	76.5	3	820150
—	803527	152	6	8046141	150	5 ⁷ / ₈	330744	151.5	5 ³¹ / ₃₂	358131
804671	803528	203	8	8129441	204	8 ¹ / ₁₆	335481			
803687	803529				250	9 ⁷ / ₈	334086			
804672	803530				300	11 ¹³ / ₁₆	330745			
803688										
804673	—									
803689										
803690										

FOR SENSOMAT, MINIMAT-T SCREWDRIVERS

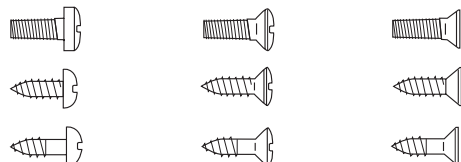
 slotted screws
(only self tapping screws)

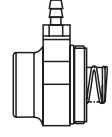


head dia.	
mm	in.
3.8	.150
4	.157
4.3	.170
4.5	.177
4.7	.185
5	.196
5.6	.220
6	.236
6.5	.255
6.9	.271
7	.275
7	.275
7.5	.295
8	.315
8.2	.323
8.3	.326
8.5	.334
9	.354

 PHILLIPS screws
(only drilling and self tapping screws)

 POZIDRIV screws
(only drilling and self tapping screws)

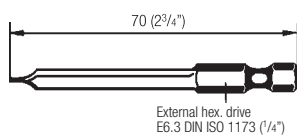
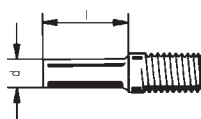


point size			head dia.		d				sensor sleeves Part no.	bit		Part no.
size	mm	in.	mm	in.	mm	in.	mm	in.		PHILLIPS Part no.	POZIDRIV Part no.	
1	3.8	.150	6	.24	17	¹¹ / ₁₆			346070	338894	339140	 counter nut 339983 (f. SENSOMAT) 3399831 (f. MINIMAT-T)
1	4	.157	6	.24	17	¹¹ / ₁₆			346071			
1	4.3	.170	6	.24	17	¹¹ / ₁₆			346072			
1	4.7	.185	6.5	.26	17	¹¹ / ₁₆			346088			
1	5	.196	7	.28	17	¹¹ / ₁₆			346089	804046	803988	 finder 339982 (f. SENSOMAT) 368013 (f. MINIMAT-T)
1	5.6	.220	7.5	.30	17	¹¹ / ₁₆			346090			
1	6	.236	8	.31	17	¹¹ / ₁₆			346091			
2	6.5	.255	8.5	.33	17	¹¹ / ₁₆			346092			
2	6.9	.271	9	.35	17	¹¹ / ₁₆			346093	804047	803989	 spring sleeve 401613 A (screwdriver size 1) spring sleeve 401613 B (screwdriver size 2) (only for screw suction)
2	7	.275	9	.35	17	¹¹ / ₁₆			346094			
2	7.5	.295	9	.35	17	¹¹ / ₁₆			346095			
2	8	.315	10	.39	20	¹³ / ₁₆			346096			
2	8.2	.323	10	.39	20	¹³ / ₁₆			346084			
2	8.3	.326	10	.39	20	¹³ / ₁₆			346097			
2	9	.354	11	.43	12	¹⁵ / ₃₂			346098			
2	9.2	.362	11	.43	12	¹⁵ / ₃₂			346099			
2	9.5	.374	11.5	.45	12	¹⁵ / ₃₂			346100			

*) Screw suction for drilling and self tapping screws not recommendable

Sensor sleeves, bits

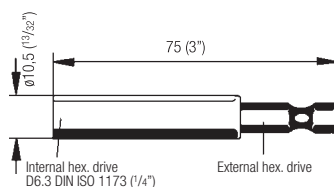
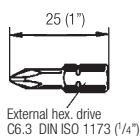
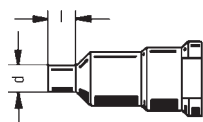
counter nut for above with finders, without screw suction



d		l		sensor sleeves Part no.	blade		bit Part no.	counter nut Part no.	finder Part no.
mm	in.	mm	in.		mm	in.			
6	.24	17	¹¹ / ₁₆	346070	0.5 x 3	.020 x .122	804021	339983 (f. SENSOMAT) 339983/1 (f. MINIMAT-T)	339982 (f. SENSOMAT) 368013 (f. MINIMAT-T)
6	.24	17	¹¹ / ₁₆	346071	0.5 x 3	.020 x .122			
6	.24	17	¹¹ / ₁₆	346072	0.5 x 3	.020 x .122			
6.5	.26	17	¹¹ / ₁₆	346073	0.5 x 3	.020 x .122			
6.5	.26	17	¹¹ / ₁₆	346074	0.5 x 3	.020 x .122			
7	.28	17	¹¹ / ₁₆	346075	0.5 x 3	.020 x .122	803595		
7.5	.30	17	¹¹ / ₁₆	346076	0.8 x 4	.032 x .154			
8	.31	17	¹¹ / ₁₆	346077	0.8 x 4	.032 x .154			
8.5	.33	17	¹¹ / ₁₆	346078	0.8 x 4	.032 x .154			
9	.35	17	¹¹ / ₁₆	346079	1.0 x 5.5	.038 x .215			
9	.35	17	¹¹ / ₁₆	346080	0.8 x 4.0	.032 x .154	803596		
9	.35	17	¹¹ / ₁₆	346081	1.0 x 5.5	.038 x .215			
9	.35	17	¹¹ / ₁₆	346082	1.0 x 5.5	.038 x .215			
10	.39	20	¹³ / ₁₆	346083	1.0 x 5.5	.038 x .215			
10	.39	20	¹³ / ₁₆	346084	1.2 x 6.5	.046 x .255			
10	.39	20	¹³ / ₁₆	346085	1.0 x 5.5	.038 x .215	803596		
10	.39	20	¹³ / ₁₆	346086	1.2 x 6.5	.046 x .255	803873		
11	.43	12	¹⁵ / ₃₂	346087	1.0 x 5.5	.038 x .215	803596		

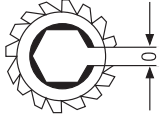
Sensor sleeves, bits, bit holder (magnetic)

counter nut for above with finders, without screw suction

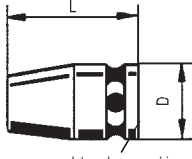
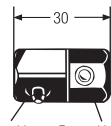


				bit					
d		l		sensor sleeves	PHILLIPS	POZIDRIV	bit holder (magnetic)	counter nut	finder
mm	in.	mm	in.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
							821068	343982 (f. SENSOMAT) 343982 (f. MINIMAT-T)	343981 (f. SENSOMAT) 369430 (f. MINIMAT-T)
7	.28	7	.28	344123	804636	804665			
7	.28	7	.28						
7	.28	7	.28						
7	.28	7	.28						
8	.31	8	.31	344124	804637	804666			
8	.31	8	.31						
10	.39	8	.31	343983					
10	.39	8	.31						
10	.39	8	.31						
11.5	.45	8	.31	344125					
11.5	.45	8	.31						
11.5	.45	8	.31						
11.5	.45	8	.31						
12.5	.49	8	.31	344126					
12.5	.49	8	.31						
12.5	.49	8	.31						

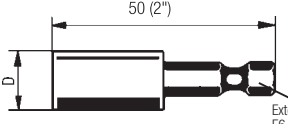
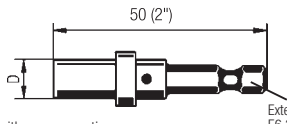
FOR RATCHET WRENCH

 hex. screws  hex. nuts		Sockets with hexagon					Open Head 39-331-43 O		
		39-521-19 K	39-331-19 K	Closed Head 39-331-21 K	39-331-32 K 39-331-32 L	39-331-46 K	Socket opening Ø		
AF mm	AF in.	Part no.	Part no.	Part no.	Part no.	Part no.	mm	in.	Part no.
5	—	4014678	—	—	—	—	—	—	—
5.5	7/32	4014677	—	—	—	—	—	—	—
7	—	4014675	804136	804185	—	—	—	—	—
8	5/16	4014674	804137	804186	—	—	5.5	7/32	804171
10	—	4014672	804138	804187	804139	—	8.5	—	804173
11	—	—	—	804188	804140	—	9.5	—	804174
12	—	—	—	—	804141	—	9.5	—	804175
13	—	—	—	—	804142	804154	11	—	804176
14	—	—	—	—	804143	804155	11	—	804177
15	—	—	—	—	804144	—	11	—	804178
16	5/8	—	—	—	821541	—	12	—	821993
17	—	—	—	—	804145	804157	12	—	804179
18	—	—	—	—	821542	—	—	—	—
19	3/4	—	—	—	804146	804158	—	—	—
22	—	—	—	—	—	804159	—	—	—
24	—	—	—	—	—	402717	—	—	—
27	1 1/16	—	—	—	—	804161	—	—	—
1/2"	—	—	—	—	804147	804165	—	—	—
5/8"	—	—	—	—	804148	—	12	—	804183

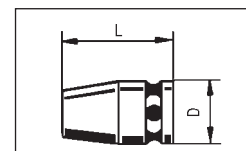
In-between sizes with hexagon and sockets with square on request

 hex. screws  hex. nuts		Sockets, Holder						Holder (for socket AF 14) Part no.	
		Closed Head 39-331-32 K 39-331-32 L		39-331-46 K		Socket		 Internal square drive G12.5 DIN 3121 (1/2")  External square drive E12.5 DIN 3121 (1/2")	
AF mm	AF in.	mm	D in.	mm	L in.	Part no.	Part no.		
10	—	25	1	40	1 9/16	804392	—		
13	—	25	1	40	1 9/16	804393	804393		
16	5/8	30	1 3/16	38	1 1/2	820293	820293		
17	—	30	1 3/16	40	1 9/16	804394	804394		
18	—	30	1 3/16	38	1 1/2	820294	820294		
19	3/4	30	1 3/16	40	1 9/16	804395	804395		
21	—	30	1 3/16	38	1 1/2	—	820526	804245	
22	—	32.5	1 9/32	40	1 9/16	—	804396		
24	—	35	1 3/8	45	1 49/64	—	804397		
27	1 1/16	38.5	1 33/64	50	1 31/32	—	804398		

FOR MINIMAT, RECYCLING-, SLIP CLUTCH-, PULSE TOOLS, ELECTRIC SCREWDRIVER

 hex. screws  hex. nuts		Sockets with shaft 1/4" hex. drive						 External hex. drive E6.3 DIN ISO 1173 (1/4")  External hex. drive E6.3 DIN ISO 1173 (1/4")	
		non-magnetic		magnetic		D		Part no.	
AF mm	AF in.	mm	D in.	Part no.	Part no.	mm	in.		
5	—	10	25/64	804126	804135	8.5	11/32	325363	
5.5	7/32	10	25/64	804120	804130	9.5	3/8	325153	
6	—	10	25/64	804125	804128	9.5	3/8	325421	
7	—	12	15/32	804121	804131	10	25/64	324914	
8	5/16	13	1/2	804122	804132	11.5	29/32	325052	
9	—	14	9/16	804113	804152	13	1/2	335024	
10	—	16	5/8	804123	804133	13	1/2	325053	
11	—	15.5	39/64	804127	804129	—	—		
12	—	16.5	21/32	803791	804111	—	—		
13	—	19	3/4	804124	804134	—	—		

FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVER, IMPACT WRENCHES, EC-SERVO SCREWDRIVER



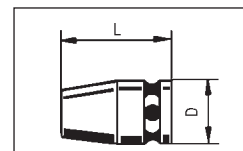
Sockets with female square drive

hex. screws hex. nuts		short execution, non-magnetic and magnetic																	
		Internal square drive G 6.3 DIN 3121 (1/4")						Internal square drive G 10 DIN 3121 (3/8")						Internal square drive G 12.5 DIN 3121 (1/2")					
AF mm	AF in.	D		L		non- magnetic Part no.	magnetic Part no.	D		L		non- magnetic Part no.	magnetic Part no.	D		L		non- magnetic Part no.	magnetic Part no.
		mm	in.	mm	in.			mm	in.	mm	in.			mm	in.	mm	in.		
5	—	13	1/2	25	1	804056	804086	—	—	—	—	—	—	—	—	—	—	—	—
5.5	7/32	13	1/2	23	29/32	804057	804087	—	—	—	—	—	—	—	—	—	—	—	—
6	—	13	1/2	23	29/32	804058	804088	—	—	—	—	—	—	—	—	—	—	—	—
7	—	13	1/2	23	29/32	804059	804089	19	3/4	34	1 11/32	804370	820851	—	—	—	—	—	—
8	5/16	13	1/2	23	29/32	804060	804090	19	3/4	34	1 11/32	804371	820852	25	1	40	1 9/16	804391	820861
9	—	13.5	17/32	23	29/32	804061	804091	19	3/4	34	1 11/32	820853	820854	25	1	40	1 9/16	820862	820863
10	—	15	19/32	23	29/32	804062	—	19	3/4	34	1 11/32	804372	803768	25	1	40	1 9/16	804392	820864
10	—	15.9	5/8	25.4	1	—	8040921	—	—	—	—	—	—	—	—	—	—	—	—
11	—	16	5/8	23	29/32	804063	804093	19	3/4	34	1 11/32	820855	820856	25	1	40	1 9/16	803766	820865
12	—	17.5	1 1/16	23	29/32	804064	8040941	19	3/4	34	1 11/32	820295	820857	25	1	40	1 9/16	820175	820866
13	—	19	3/4	23	29/32	804065	804095	22	7/8	34	1 11/32	804373	820858	25	1	40	1 9/16	804393	820244
16	5/8	—	—	—	—	—	—	24.5	31/32	34	1 11/32	820292	820859	25	1	40	1 9/16	820293	820867
17	—	—	—	—	—	—	—	25.5	1	34	1 11/32	804374	812942	30	1 3/16	40	1 9/16	804394	812923
18	—	—	—	—	—	—	—	26.5	1 9/64	34	1 11/32	820311	820860	30	1 3/16	40	1 9/16	820294	820541
19	3/4	—	—	—	—	—	—	28	1 3/32	34	1 11/32	804375	820711	30	1 3/16	40	1 9/16	804395	812925
21	—	—	—	—	—	—	—	—	—	—	—	—	—	32	1 1/4	40	1 9/16	820526	820868
22	—	—	—	—	—	—	—	—	—	—	—	—	—	33	1 5/16	40	1 9/16	804396	820869
24	—	—	—	—	—	—	—	—	—	—	—	—	—	35.5	1 13/32	45	1 25/32	804397	820870
27	1 1/16	—	—	—	—	—	—	—	—	—	—	—	—	40	1 9/16	50	1 31/32	804398	820871

hex. screws hex. nuts		short execution, non-magnetic																						
		Internal square drive G 16 DIN 3121 (5/8")					Internal square drive H 20 DIN 3121 (3/4")					Internal square drive H 25 DIN 3121 (1")					Internal square drive H 40 DIN 3121 (1 1/2")					Internal square drive H 63 DIN 3121 (2 1/2")		
AF		D		L		Part no.	D		L		Part no.	D		L		Part no.	D		L		Part no.			
mm	in.	mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	
13	—	35	1 3/8	48	1 57/64	803885	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
16	5/8	35	1 3/8	48	1 57/64	820527	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
17	—	35	1 3/8	48	1 57/64	803886	44	1 47/64	50	1 31/32	804410	—	—	—	—	—	—	—	—	—	—			
18	—	35	1 3/8	48	1 57/64	820528	44	1 47/64	50	1 31/32	820530	—	—	—	—	—	—	—	—	—	—			
19	3/4	35	1 3/8	48	1 57/64	803887	44	1 47/64	50	1 31/32	804411	—	—	—	—	—	—	—	—	—	—			
21	—	35	1 3/8	48	1 57/64	820529	44	1 47/64	50	1 31/32	820531	—	—	—	—	—	—	—	—	—	—			
22	—	35	1 3/8	48	1 57/64	803888	44	1 47/64	50	1 31/32	804412	—	—	—	—	—	—	—	—	—	—			
24	—	37	1 29/64	50	1 31/32	803889	44	1 47/64	50	1 31/32	804413	—	—	—	—	—	—	—	—	—	—			
27	1 1/16	40.5	1 19/32	50	1 31/32	803890	44	1 47/64	50	1 31/32	804414	54	2 1/8	60	2 23/64	804430	—	—	—	—	—			
30	—	—	—	—	—	—	46	1 13/16	54	2 1/8	804415	54	2 1/8	63	2 31/64	804431	—	—	—	—	—			
32	1 1/4	—	—	—	—	—	49	1 15/16	53	2 3/32	804416	54	2 1/8	62	2 7/16	804432	—	—	—	—	—			
34	—	—	—	—	—	—	51	2 1/64	55	2 11/64	820532	54	2 1/8	62	2 7/16	820533	—	—	—	—	—			
36	—	—	—	—	—	—	54	2 1/8	58	2 9/32	804417	57	2 1/4	62	2 7/16	804433	—	—	—	—	—			
41	—	—	—	—	—	—	60	2 23/64	58	2 9/32	804418	63	2 31/64	66	2 19/32	804434	—	—	—	—	—			
46	1 13/16	—	—	—	—	—	66	2 39/64	58	2 9/32	804419	69.5	2 47/64	70	2 3/4	804435	86	3 25/64	84	3 5/16	804450			
50	1 31/32	—	—	—	—	—	—	—	—	—	—	74.5	2 15/16	70	2 3/4	804436	86	3 25/64	84	3 5/16	804451			
55	—	—	—	—	—	—	—	—	—	—	—	81	3 3/16	85	3 11/32	804437	87	3 27/64	90	3 35/64	804452			
60	—	—	—	—	—	—	—	—	—	—	—	87.5	3 7/16	85	3 11/32	804438	93	3 21/32	90	3 35/64	804453			
65	2 9/16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99	3 57/64	95	3 47/64	804454			
70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	106	4 11/64	100	3 15/16	804455			
75	2 61/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	112	4 13/32	105	4 9/64	804456			
80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118	4 41/64	110	4 21/64	804457			
85	3 11/32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	125	4 59/64	110	4 21/64	804458			
90	3 35/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131	5 5/32	115	4 17/32	804459			
95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	5 25/64	120	4 23/32	804460			
100	3 15/16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	143	5 5/8	125	4 59/64	804461			
105	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	150	5 29/32	130	5 1/8	804462			
110	4 21/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	6 9/64	135	5 5/16	804463			
115	4 17/32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	6 19/64	128	5 3/4	825633			
120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
130	5 1/8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
145	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
155	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			

Please order locking pin and rubber ring extra

FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVER, IMPACT WRENCHES, EC-SERVO SCREWDRIVER

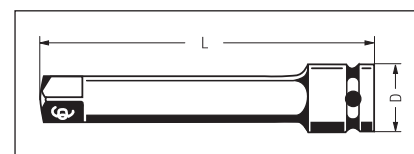


Sockets with internal square drive DIN 3121

 hex. screws hex. nuts		long execution, non-magnetic														
		Internal square drive G 6.3 DIN 3121 (1/4")				Internal square drive G 10 DIN 3121 (3/8")				Internal square drive G 12.5 DIN 3121 (1/2")						
AF		D		L		Part no.	D		L		Part. no.	D		L		Part no.
mm	in.	mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.	
7	—	13	1/2	45	1 3/4	8037671	—	—	—	—	820872	—	—	—	—	—
8	5/16	13	1/2	45	1 3/4	8037591	19	3/4	51	2	820873	25	1	85	3 11/32	804400
9	—	14.5	9/16	45	1 3/4	8204461	19	3/4	51	2	820874	—	—	—	—	—
10	—	16	5/8	45	1 3/4	8037601	19	3/4	51	2	820875	25	1	85	3 11/32	804401
11	—	16	5/8	45	1 3/4	8207851	19	3/4	51	2	820876	—	—	—	—	—
12	—	17.5	11/16	45	1 3/4	8201011	19	3/4	51	2	820877	—	—	—	—	—
13	—	19	3/4	45	1 3/4	8129311	22	7/8	51	2	820878	25	1	85	3 11/32	804402
16	5/8	—	—	—	—	—	24.5	31/32	51	2	820879	30	1 9/16	80	3 5/32	820534
17	—	—	—	—	—	—	25.5	1	51	2	820880	30	1 9/16	85	3 11/32	804403
18	—	—	—	—	—	—	26.5	1 13/64	51	2	820881	30	1 9/16	80	3 5/32	820535
19	3/4	—	—	—	—	—	28	1 13/32	51	2	—	30	1 9/16	80	3 5/32	804404
21	—	—	—	—	—	—	—	—	—	—	—	30	1 9/16	80	3 5/32	820536
22	—	—	—	—	—	—	—	—	—	—	—	32.5	1 9/32	85	3 11/32	804405
24	—	—	—	—	—	—	—	—	—	—	—	35	1 3/8	85	3 11/32	804406
27	1 1/16	—	—	—	—	—	—	—	—	—	—	38.5	1 33/64	85	3 11/32	804407

 hex. screws hex. nuts		long execution, non-magnetic																			
		Internal square drive G 16 DIN 3121 (5/8")				Internal square drive H 20 DIN 3121 (1")				Internal square drive H 25 DIN 3121 (1 1/2")				Internal square drive H 40 DIN 3121 (1 1/2")							
AF		D		L		Part no.	D		L		Part no.	D		L		Part no.	D		L		Part no.
mm	in.	mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.	
17	—	35	1 3/8	90	3 35/64	803891	44	1 47/64	100	3 15/16	804420	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	3/4	35	1 3/8	90	3 35/64	803892	44	1 47/64	100	3 15/16	804421	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	44	1 47/64	100	3 15/16	820537	—	—	—	—	—	—	—	—	—	—
22	—	35	1 3/8	90	3 35/64	803893	44	1 47/64	100	3 15/16	804422	—	—	—	—	—	—	—	—	—	—
24	—	37	1 29/64	90	3 35/64	803894	44	1 47/64	100	3 15/16	804423	54	2 1/8	110	4 21/64	820067	—	—	—	—	—
27	1 1/16	40.5	1 19/32	90	3 35/64	803895	44	1 47/64	100	3 15/16	804424	54	2 1/8	110	4 21/64	804440	—	—	—	—	—
30	—	—	—	—	—	—	46	1 13/16	100	3 15/16	804425	54	2 1/8	110	4 21/64	804441	—	—	—	—	—
32	1 1/4	—	—	—	—	—	49	1 15/16	100	3 15/16	804426	54	2 1/8	110	4 21/64	804442	—	—	—	—	—
34	—	—	—	—	—	—	51	2 1/64	100	3 15/16	820538	54	2 1/8	108	4 1/4	820539	—	—	—	—	—
36	—	—	—	—	—	—	54	2 1/8	100	3 15/16	804427	57	2 1/4	108	4 1/4	804443	—	—	—	—	—
41	—	—	—	—	—	—	60	2 23/64	100	3 15/16	804428	63	2 31/64	108	4 1/4	804444	—	—	—	—	—
46	1 13/16	—	—	—	—	—	67	2 41/64	100	3 15/16	804429	69.5	2 47/64	110	4 21/64	804445	86	3 25/64	130	5 1/8	804465
50	1 31/32	—	—	—	—	—	—	—	—	—	—	74.5	2 15/16	115	4 17/32	804446	86	3 25/64	140	5 33/64	804466
55	—	—	—	—	—	—	—	—	—	—	—	81	3 3/16	115	4 17/32	804447	87	3 27/64	140	5 33/64	804467
60	—	—	—	—	—	—	—	—	—	—	—	87.5	3 7/16	115	4 17/32	804448	93	3 21/32	140	5 33/64	804468
65	2 9/16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99	3 57/64	150	5 29/32	804469
70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	106	4 11/64	150	5 29/32	804470
75	2 61/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	112	4 13/32	160	6 19/64	804471
80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	118	4 41/64	170	6 11/16	804472
85	3 11/32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	125	4 59/64	170	6 11/16	804473
90	3 35/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131	5 5/32	180	7 3/32	804474
95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	5 25/64	180	7 3/32	804475
100	3 15/16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	143	5 5/8	190	7 31/64	804476
105	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	150	5 29/32	200	7 7/8	804477
110	4 21/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	6 9/64	200	7 7/8	804478

Please order locking pin and rubber ring extra

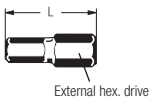
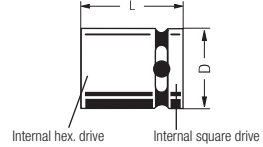


Extensions with internal square drive DIN 3121

Internal-□ External-□	G 10 DIN 3121 (3/8") E 10 DIN 3121 (3/8")					G 12.5 DIN 3121 (1/2") E 12.5 DIN 3121 (1/2")					H 20 DIN 3121 (3/4") F 20 DIN 3121 (3/4")					H 25 DIN 3121 (1") F 25 DIN 3121 (1")					H 40 DIN 3121 (1 1/2") F 40 DIN 3121 (1 1/2")				
	D		L		Part no.	D		L		Part no.	D		L		Part no.	D		L		Part no.	D		L		Part no.
	mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.		mm	in.	mm	in.	
	19	3/4	75	2 61/64	804490	25	63/64	75	2 61/64	804493	—	—	—	—	—	54	2 1/8	100	3 15/16	804500	86	3 25/64	250	9 27/32	804505
	19	3/4	150	5 29/32	804491	25	63/64	125	4 59/64	804494	44	1 47/64	175	6 57/64	804497	54	2 1/8	175	6 57/64	804501	86	3 25/64	380	14 31/32	804506
	19	3/4	300	11 13/16	804492	25	63/64	250	9 27/32	804495	44	1 47/64	250	9 27/32	804498	54	2 1/8	250	9 27/32	804502	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	44	1 47/64	330	13	804499	54	2 1/8	330	13	804503	—	—	—	—	—

Please order locking pin and rubber ring extra

FOR IMPACT WRENCHES, PULSE TOOLS, EC-SERVO SCREWDRIVER

		Bits			Holder							
												
		internal hex. screws threaded pins with internal hex.										
		external hex. drive										
		L = 35 mm = 1 ³ / ₈ in. Part no.										
		L = 40 mm = 1 ³ / ₈ in. Part no.										
		L = 50 mm = 1 ³ / ₈ in. Part no.										
AF	AF				internal	internal	D		L		Part no.	
mm	in.				square drive	hex. drive	mm	in.	mm	in.		
3	1/8	804525										
4	—	804526										
5	—	804527										
6	—	804528	—									
6	—	804528	—									
7	—	820046										
8	5/16	804529										
10	—	804530	804533	—								
10	—	804530	804533	—	G 10 (3/8")	7/16" (11.1 mm)	22	55/64	32	1 1/4	804520	
12	—	804531	804534		G 12.5 (1/2")	7/16" (11.1 mm)	30	1 3/16	38	1 1/2	804521	
12	—	804531	804534		H 20 (3/4")	5/8" (15.9 mm)	44	1 47/64	52	2 3/64	804522	
14	—	804532	804535		H 20 (3/4")	7/8" (22 mm)	44	1 47/64	60	2 23/64	804519	
14	—	804532	804535		H 25 (1")	5/8" (15.9 mm)	54	2 1/8	68	2 43/64	8045231	
17	—	820215	804536		H 25 (1")	7/8" (22 mm)	54	2 1/8	70	2 3/4	804524	
17	—	820215	804536									
19	3/4			804537								
19	3/4			804541								
22	—			804542								
24	—			804619								
27	1 1/16			804574								
32	—			804618								
36	—											

Please order locking pin and rubber ring extra

Chuck for stud screws with internal square drive DIN 3121

		Internal square drive G 10 DIN 3121 (3/8")				Internal square drive G 12.5 DIN 3121 (1/2")				Internal square drive H 20 DIN 3121 (3/4")				Internal square drive H 25 DIN 3121 (1")			
																	
		D	d	L	Part no.	D	d	L	Part no.	D	d	L	Part no.	D	d	L	Part no.
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
M 4	35	1 3/8	22	55/64	65	2 9/16	790025 A	—	—	—	—	—	—	—	—	—	—
M 5	35	1 3/8	22	55/64	65	2 9/16	790025 B	—	—	—	—	—	—	—	—	—	—
M 6	35	1 3/8	22	55/64	65	2 9/16	790025 C	—	—	—	—	—	—	—	—	—	—
M 8	35	1 3/8	22	55/64	65	2 9/16	790025 D	47	1 27/32	28	1 1/64	79	3 3/64	390203 A	—	—	—
M 10	35	1 3/8	22	55/64	65	2 9/16	790025 E	47	1 27/32	28	1 1/64	84	3 5/16	390203 B	—	—	—
M 12	—	—	—	—	—	—	—	47	1 27/32	28	1 1/64	84	3 5/16	390203 C	—	—	—
M 14	—	—	—	—	—	—	—	47	1 27/32	28	1 1/64	84	3 5/16	390203 D	—	—	—
M 16	—	—	—	—	—	—	—	47	1 27/32	28	1 1/64	84	3 5/16	390203 E	—	—	—
M 18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Please order locking pin and rubber ring extra

Ball joint with internal square drive DIN 3121

		G 6.3 DIN 3121 (1/4")			G 10 DIN 3121 (3/8")			G 12.5 DIN 3121 (1/2")			H 20 DIN 3121 (3/4")			H 25 DIN 3121 (1")			H 40 DIN 3121 (1 1/2")		
		E 6.3 DIN 3121 (1/4")			E 10 DIN 3121 (3/8")			E 12.5 DIN 3121 (1/2")			F 20 DIN 3121 (3/4")			F 25 DIN 3121 (1")			F 40 DIN 3121 (1 1/2")		
		D	d	L = 43 mm	D	d	L = 58 mm	D	d	L = 78 mm	D	d	L = 95 mm	D	d	L = 128 mm	D	d	L = 178 mm
		mm	in.	Part no.	mm	in.	Part no.	mm	in.	Part no.	mm	in.	Part no.	mm	in.	Part no.	mm	in.	Part no.
		16	5/8	804518	22	55/64	804510	28	1 1/64	804511	38	1 1/2	804512	53	2 3/32	804513	86	3 25/64	804514

Please order locking pin and rubber ring extra

FOR IMPACT WRENCHES, PULSE TOOLS, EC-SERVO SCREWDRIVER

Locking pins and rubber rings
for sockets, holder, extensions, ball joints and chucks for stud screws

Internal square drive DIN 3121	Sockets		Extension Ball joint Holder		Chuck for stud screws		Locking pin				Rubber ring					
	AF mm	AF in.	D		d		d		l		Part no.	D		d		Part no.
			mm	in.	mm	in.	mm	in.	mm	in.		mm	in.			
G 10 (3/8")	7-19	3.0	19/22	3/4 / 55/64	22	55/64	2.5	3/32	16	5/8	800078	14	35/64	3	1/8	802513
G 12.5 (1/2")	8-13	3.2	25	63/64	—	—	3	1/8	20	25/32	802348	18	45/64	3	1/8	803370
G 12.5 (1/2")	16-27	3.8	28/30	17/64 / 13/16	28	17/64	3	1/8	24	15/16	800012	20	25/32	4	5/32	802499
G 16 (5/8")	8-27	4.0	35	13/8	—	—	3	1/8	28	17/64	802346	24	15/16	4	5/32	802524
H 20 (3/4")	17-46	4.2	38/44	11/2 / 147/64	41	139/64	4	5/32	32	17/64	800056	34	111/32	5.5	7/32	802546
H 25 (1")	27-60	4.3	54	21/8	54	21/8	5	13/64	45	149/64	804546	42	121/32	7.5	19/64	802547
H 40 (1 1/2")	46-90	4.7	86	325/64	—	—	5	13/64	75	261/64	804547	72	253/64	6.5	17/64	802548
H 40 (1 1/2")	95-110	5.0	—	—	—	—	6	1/4	110	421/64	804549	114	431/64	10.5	27/64	802468
H 63 (2 1/2")	100-155	5.5	—	—	—	—	8	5/16	115	417/32	804548	114	431/64	10.5	27/64	

FOR IMPACT WRENCHES WITH QUICK CHANGE CHUCK (INTERNAL HEX. DRIVE DIN ISO 1173 F11.2)

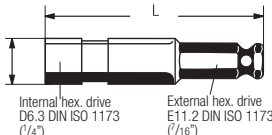
Bits

Internal hex. screws		Threaded pins with internal hex. drive		Part no.	
AF	AF				
mm	in.				
5	—			804515	
6	—			804516	
8	$\frac{5}{16}$			804538	
10	—			804539	
10	—			804539	
12	—			804540	
12	—			804540	
14	—			804517	

Holder

External square drive		L mm / in.	Part no.	for sockets	
E 10	DIN 3121 (³ / ₈ "	50 / 1 ³¹ / ₃₂	8043651		
E 12.5	DIN 3121 (¹ / ₂ "	54 / 2 ¹ / ₈	8043661		
F 20	DIN 3121 (³ / ₄ "	76 / 3	8043631		

for bit			non-magnetic
with external hex. drive C 6.3 DIN ISO 1173 (¹ / ₄ "			
L mm / in.	D mm / in.	Part no.	
65 / 2 ⁹ / ₁₆	11.1 / ⁷ / ₁₆	825021	

	
Internal hex. drive D6.3 DIN ISO 1173 (¹ / ₄ "	External hex. drive E11.2 DIN ISO 1173 (¹ / ₁₆ "

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