

## 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, 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
<b>for NANOMAT and MICROMAT Screwdrivers</b>		
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
<b>for MINIMAT, Recycling, Slip clutch, Pulse tools, Electric Screwdrivers</b>		
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
<b>for SENSOMAT and MINIMAT-T Screwdrivers</b>		
sensor sleeves, bits	slotted screws	Page 14/15
sensor sleeves, bits, bit holders	PHILLIPS and POZIDRIV screws	Page 14/15
<b>for Ratchet wrench</b>		
sockets, holder	hex. screws and hex. nuts	Page 16
<b>for MINIMAT, Recycling, Slip clutch, Pulse tools, Electric Screwdriver, Impact Wrenches and EC-SERVO Screwdriver</b>		
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:

drives:

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:


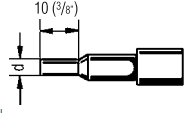
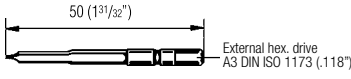
**[www.deprag.com](http://www.deprag.com) / Screwdriving Technology / Products / Accessories / Online Selection Tool for Inserts**

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.

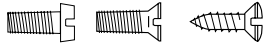
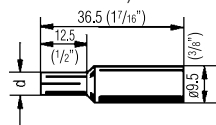

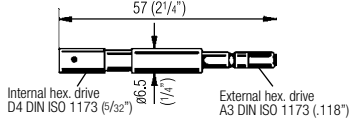
All you have to do now is to send an inquiry to [export@deprag.de](mailto:export@deprag.de) via e-mail and we will arrange to send you our related offer either directly or via our respective local representative.

Bits, finders (without and with screw suction)


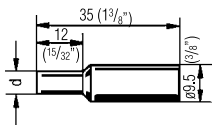

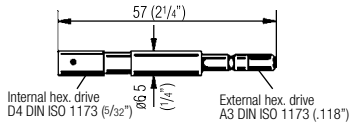
slotted screws		finder 1) *)			bit		
							
head dia.		d		Part no.	blade		Part no.
mm	in.	mm	in.		mm	in.	
3.0	.118	4.0	.16	325612	0.4 x 2.0	.016 x .080	341689
3.0	.118	4.0	.16	341697	0.4 x 2.5	.016 x .098	341690
3.8	.150	4.8	.19	323862	0.5 x 3.0	.020 x .122	323854
4.2	.165	5.3	.21	341739	0.6 x 3.5	.024 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)	
									
head dia.		d		Part no.	blade		Part no.		
mm	in.	mm	in.		mm	in.			
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	—	0.5 x 3	.020 x .122	803606		
4.5	.177	6.0	.24	—	0.6 x 3.5	.024 x .134	803935		
4.7	.185	6.0	.24	—	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	—	0.8 x 4	.032 x .154	803607		



Bits, finders, bit holder (magnetic)

slotted screws		finder *)			bit			bit holder (non-magnetic)	
									
head dia.		d		Part no.	blade		Part no.		
mm	in.	mm	in.		mm	in.			
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		
point size	head dia.		PHILLIPS Part no.	POZIDRIV Part no.	mm	d	in.	Part no.	PHILLIPS Part no.	POZIDRIV Part no.
	mm	in.								
0	3.0	.118	323906	803613	3.8			323861	323906	353571
0	3.2	.125			4.2			329719		
1	3.8	.150			4.8			323862		
1	4.0	.157			5.2			326230		
1	4.2	.165			5.2			324571		
1	4.3	.170			5.7			324341		
1	4.7	.185			6.6			326231		
1	5.0	.196			6.6			323864		
1	5.5	.216			6.6			323864		
1	5.6	.220			7.0			324659		
1	6.0	.236	323907	323908				323907	323908	



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

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


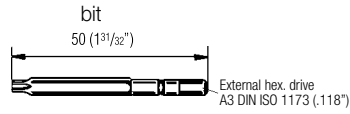
### Bits, bit holders (non-magnetic and magnetic)

 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.	Part no.	Part no.
1	803951	803925	803930	803929		
2	803952	803612	803930	803929		

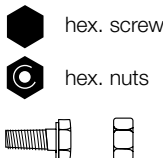
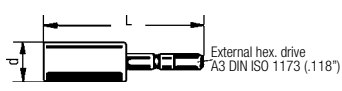

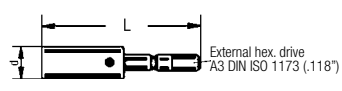
### Bits, bit holders (non-magnetic and magnetic)

 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.	Part no.	Part no.	Part no.	Part no.	
								0.9
1.5	—	803956	—	803600	—	—		
1.5	T 6	—	—	803604	—	—		
—	T 7	—	—	803601	—	—		
2	T 8	803957	—	803603	—	—		
—	T 9	—	—	803603	—	—		
2	T 10	803957	—	803602	—	—		
2.5	T 10	803958	—	803602	—	—		
3	T 15	803959	—	803608	—	—		

Bits

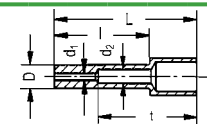
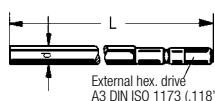
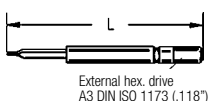
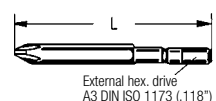
 <p>Torx screws</p>	 <p>bit 50 (1<sup>31</sup>/<sub>32</sub>" External hex. drive A3 DIN ISO 1173 (.118")</p>	
	Torx size	Part no.
	T 6	803926
	T 7	803586
	T 8	803587
T 10	803589	

Sockets with shaft (without and with screw suction)

 <p>hex. screws hex. nuts</p>	<p><b>without screw suction</b></p> <p>socket with shaft</p>  <p>External hex. drive A3 DIN ISO 1173 (.118")</p>				<p><b>with screw suction</b></p> <p>spring sleeve *)</p> 				<p>socket with shaft</p>  <p>External hex. drive A3 DIN ISO 1173 (.118")</p>			
	AF mm	AF in.	d mm	L in.	Part no.	Part no.	d mm	L in.	Part no.			
	4.0	5/32	8	1 <sup>11</sup> / <sub>16</sub>	803960	330633	7	1 <sup>9</sup> / <sub>16</sub>	324587			
	5.0	—	9	1 <sup>11</sup> / <sub>16</sub>	803961	330634	8	1 <sup>9</sup> / <sub>16</sub>	324588			
	5.5	7/32	10	1 <sup>11</sup> / <sub>16</sub>	803962		8	1 <sup>23</sup> / <sub>32</sub>	324589			


Semi-finished bits and finders (not hardened)


special bits

<p>finder *)</p> 													 <p>External hex. drive A3 DIN ISO 1173 (.118")</p>				 <p>External hex. drive A3 DIN ISO 1173 (.118")</p>				 <p>External hex. drive A3 DIN ISO 1173 (.118")</p>			
D mm	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	l mm	t mm	Part no.	d mm	L mm	Part no.	blade mm	L mm	Part no.	point size mm	in.	PHILLIPS Part no.	POZIDRIV Part no.								
5.0	.20	1.5	.06	3.0	.12	30.5 1 <sup>13</sup> / <sub>64</sub>	24 1 <sup>5</sup> / <sub>16</sub>	19.5 4 <sup>9</sup> / <sub>64</sub>	490013V	3.6	.14	102 4	490230V	0.20x1.0	.008x.040	50 1 <sup>31</sup> / <sub>32</sub>	324098	1	75 2 <sup>15</sup> / <sub>16</sub>	328176	333917			
5.5	.22	1.5	.06	3.9	.15	30.5 1 <sup>13</sup> / <sub>64</sub>	24 1 <sup>5</sup> / <sub>16</sub>	19.5 4 <sup>9</sup> / <sub>64</sub>	490014V	3.6	.14	130 5 <sup>1</sup> / <sub>8</sub>	490229V	0.25x1.5	.010x.060	50 1 <sup>31</sup> / <sub>32</sub>	324099	1	90 3 <sup>9</sup> / <sub>16</sub>	339921	339922			
6.6	.26	1.5	.06	4.8	.19	31.5 1 <sup>1</sup> / <sub>4</sub>	25 3 <sup>1</sup> / <sub>32</sub>	20.5 1 <sup>3</sup> / <sub>16</sub>	490015V	4.0	.16	100 3 <sup>15</sup> / <sub>16</sub>	490228V	0.25x2.0	.010x.080	50 1 <sup>31</sup> / <sub>32</sub>	324100	1	102 4	327520	337990			
6.6	.26	—	—	4.8	.19	84.5 3 <sup>2</sup> / <sub>64</sub>	78 3 <sup>1</sup> / <sub>16</sub>	20.5 1 <sup>3</sup> / <sub>16</sub>	490069V	4.0	.16	152 6	490212V	0.40x4.0	.016x.154	90 3 <sup>9</sup> / <sub>16</sub>	339923	0	152 6	348426	—			
																		1	152 6	348430	348431			

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

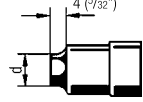
## FOR MINIMAT, RECYCLING, SLIP CLUTCH SCREWDRIVERS

 slotted screws



**Bits, finders**

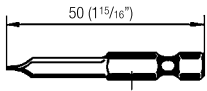
short execution without screw suction

 4 (5/32")

50 (1 15/16")

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

long execution without screw suction

 25 (1")


70 (2 3/4")


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

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

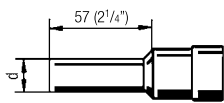
head dia.		d		finder 1) Part no.	blade		bit Part no.	d		finder 1) Part no.	blade		bit Part no.
mm	in.	mm	in.		mm	in.		mm	in.		mm	in.	
3.8	.150	5.5	.22		0.5 x 3	.020 x .122		6	.24	325246	0.5 x 3	.020 x .122	804021
4	.157	5.5	.22	322575	0.5 x 3	.020 x .122	804001	—	—	—	—	—	—
4.2	.165	5.5	.22		0.5 x 3	.020 x .122		6	.24	325247	0.5 x 3	.020 x .122	
4.3	.170	6	.24	342338	0.6 x 3.5	.024 x .134		6	.24	325248	0.5 x 3	.020 x .122	804021
4.5	.177	6	.24		0.6 x 3.5	.024 x .134	803598	6	.24	325249	0.5 x 3	.020 x .122	
4.7	.185	7	.28	342337	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	
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	803595
6.5	.255	8.5	.33	342344	0.8 x 4	.032 x .154	803592	—	—	—	—	—	—
6.9	.271	8.5	.33		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	342339	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		1.2 x 8	.046 x .312		11	.43	325255	1.2 x 8	.046 x .312	
9.5	.374	12	.47		1.2 x 8	.046 x .312	804007	11	.43	325256	1.2 x 8	.046 x .312	804027
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		1.6 x 8	.063 x .312		12	.47		1.6 x 8	.063 x .312	
11	.433	13	.51	342343	1.6 x 8	.063 x .312	803594	13	.51	342260	1.6 x 8	.063 x .312	803597

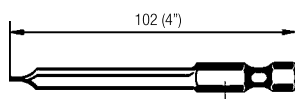
## FOR MINIMAT, SLIP CLUTCH SCREWDRIVERS

 slotted screws



**Special bits, finders**

 57 (2 1/4")

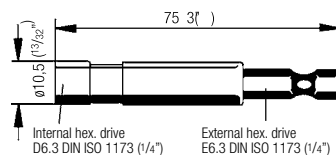
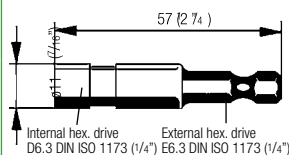
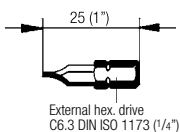
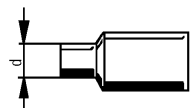
 102 (4")

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		0.7 x 3.5	.028 x .134	
4.3	.170	6	.24	353891	0.7 x 3.5	.028 x .134	
4.5	.177	6	.24	353892	0.7 x 3.5	.028 x .134	804013
4.7	.185	6.5	.26	353894	0.7 x 3.5	.028 x .134	
5	.196	—	—	—	—	—	—
5.6	.220	7	.28	353897	0.8 x 4	.032 x .154	804014
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	804015
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	
9.5	.374	11.5	.45	351813	1.2 x 8	.046 x .312	
10	.395	12	.47		1.2 x 8	.046 x .312	
10	.395	12	.47	326388	1.2 x 8	.046 x .312	804017
11	.433	13	.51	326389	1.2 x 8	.046 x .312	

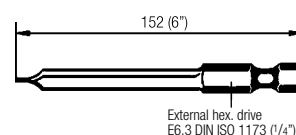
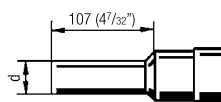
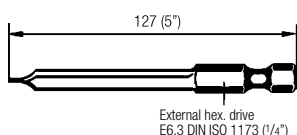
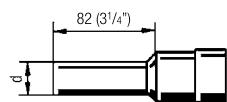
<sup>1)</sup> hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

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	8210713		
6.5	.26		0.6 x 3.5	.024 x .134			
7	.28	354700	0.6 x 3.5	.024 x .134	8210713		
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	803969		
8.5	.33	354702	0.8 x 5.5	.032 x .215			
9	.35	354468	0.8 x 5.5	.032 x .215			
9	.35	354703	0.8 x 5.5	.032 x .215	8210723		
9	.35		1.2 x 6.5	.046 x .255			
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	354712	1.6 x 8	.063 x .312	821076		
13.5	.53		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
—	—	353905	—	—	804035	—	—	353911	—	—	803981
8.5	.33		0.9 x 5.5	.036 x .215		8.5	.33		0.9 x 5.5	.036 x .215	
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	—	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
—	—	326669	—	—	804036	—	—	332775	—	—	803983
10	.39		1 x 7	.038 x .275		10	.39		1 x 7	.038 x .275	
—	—	353907	—	—	8040371	—	—	—	—	—	803984
11	.43		1.2 x 8	.046 x .312		11	.43		1.2 x 8	.046 x .312	
11.5	.45	353909	1.2 x 8	.046 x .312	—	11.5	.45	—	1.2 x 8	.046 x .312	—
12	.47	325518	1.2 x 8	.046 x .312	8040371	12	.47	337006	1.2 x 8	.046 x .312	803984
12	.47		1.2 x 8	.046 x .312							
12	.47		1.2 x 8	.046 x .312							
13	.51	—	1.2 x 8	.046 x .312	—	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

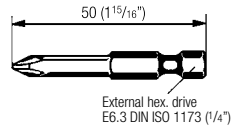
 PHILLIPS screws

 POZIDRIV screws

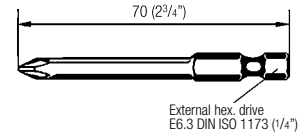


### Bits

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				
1	4	.157				
1	4.3	.170				
1	4.7	.185	804041	803985	804046	803988
1	5	.196				
1	5.6	.220				
1	6	.236				
2	6.5	.255				
2	6.9	.271				
2	7	.275				
2	7.5	.295				
2	8.2	.323	804042	803986	804047	803989
2	8.3	.326				
2	9	.354				
2	9.2	.362				
2	9.5	.374				
2	10	.395				
3	11	.433				
3	12	.472	804043	803987	804048	803990
3	12.5	.492				
4	14.5	.573	804044	803991	—	—
4	16	.630				

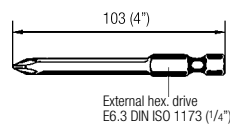
## FOR MINIMAT, RECYCLING, SLIP CLUTCH, ELECTRIC SCREWDRIVERS

 PHILLIPS screws

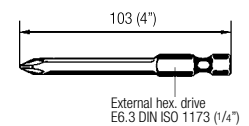
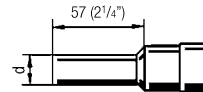
 POZIDRIV screws



without  
screw suction



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



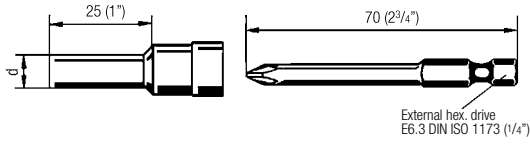
point size	head dia.		PHILLIPS Part no.	POZIDRIV Part no.	d		finder 1) Part no.	PHILLIPS Part no.	POZIDRIV Part no.
	mm	in.			mm	in.			
1	3.8	.150			7	.28	—		
1	4	.157			7	.28	353931		
1	4.3	.170			7	.28	353933	353921	353922
1	4.7	.185	324963	324686	7	.28	353934		
1	5	.196			7	.28	353935		
1	5.6	.220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

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

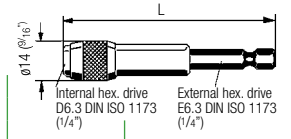
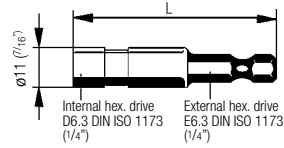
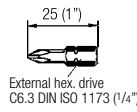


**Bits, finders**

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

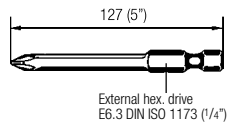


**Bits, bit holders (non-magnetic and magnetic)**

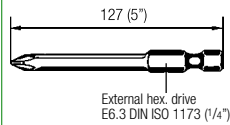
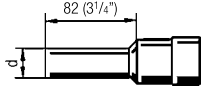


mm	d in.	finder 1) Part no.	PHILLIPS Part no.	POZIDRIV Part no.	PHILLIPS Part no.	POZIDRIV Part no.	non-magnetic		magnetic		magnetic and quick change chuck	
							mm	L in.	Part no.	mm	L in.	Part no.
6	.24	325246	804045	—	804635	8046413						
6	.24	330742	338894	339140								
6	.24	325247			804636	804665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

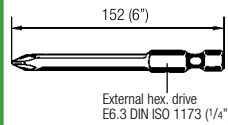
without screw suction



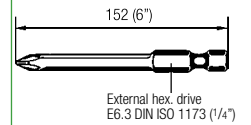
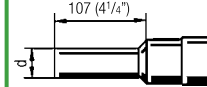
with screw suction (only MINIMAT straight screwdriver size 1 and size 2)



without screw suction



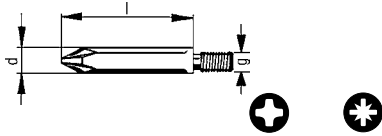
with screw suction (only MINIMAT straight screwdriver size 1 and size 2)



PHILLIPS Part no.	POZIDRIV Part no.	d mm	in.	finder 1) Part no.	PHILLIPS Part no.	POZIDRIV Part no.	PHILLIPS Part no.	POZIDRIV Part no.	d mm	in.	finder 1) Part no.	PHILLIPS Part no.	POZIDRIV Part no.
		7	.28	353946					7	.28	353958		
		7	.28	353947	353944	339867			7	.28	—	346327	340727
		7	.28	—			327986	327386	7	.28	—		
		7	.28	353949					7	.28	353961		
		7.5	.30	—					7.5	.30	—		
		7.5	.30	330731	325567	330255			7.5	.30	328972	327986	327386
		9.5	.37	333555	331002	331003			9	.35	332621	328551	330026
		9	.35	330178	—	—			9	.35	—	—	—
331002	331003	9.5	.37	353950	331002	331003			9.5	.37	353962	328551	330026
		11	.43	—	—	—	328551	330026	11	.43	—	—	—
		11.5	.45	—	331002	331003			11.5	.45	—	328551	330026
		11.5	.45	339264					12	.47	—		

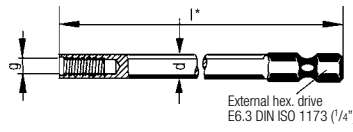
**FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS**

**Threaded bit tips**



point size	d mm	d in.	g mm	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	1 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	8289491
2	6.35	1/4	10-32	34	1 11/32	8037461	8037491
2	6	15/64	M 5	34	1 11/32	803855	803856

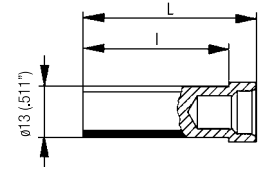
**Bit holder (threaded)**



d mm	d in.	g mm	l mm	l in.	Part no.
5.6	7/32	8-32	80	3 5/32	337500
5.6	7/32	8-32	105	4 1/8	337499
5.6	7/32	8-32	130	5 1/8	334316
5.6	7/32	8-32	156	6 5/32	353697
5.6	7/32	8-32	168	6 5/8	334420
5.6	7/32	8-32	178	7	353694
6.35	1/4	10-32	68	2 11/16	337497
6.35	1/4	10-32	93	3 21/32	336707
6.35	1/4	10-32	118	4 21/32	334315
6.35	1/4	10-32	144	5 43/64	341042
6.35	1/4	10-32	156	6 5/32	334421
6.35	1/4	10-32	166	6 17/32	355758
5.5	7/32	M 4	77	3 1/32	337520
5.5	7/32	M 4	102	4 1/64	337521
5.5	7/32	M 4	127	5	335637
5.5	7/32	M 4	153	6 1/32	354233
5.5	7/32	M 4	165	6 1/2	341765
5.5	7/32	M 4	175	6 57/64	347107
7	9/32	M 5	68	2 11/16	348745
7	9/32	M 5	77	3 1/32	344689
7	9/32	M 5	92	3 5/8	349569
7	9/32	M 5	102	4 1/64	344819
7	9/32	M 5	117	4 39/64	345466
7	9/32	M 5	127	5	343309
7	9/32	M 5	143	5 5/8	357736
7	9/32	M 5	155	6 3/32	346886
7	9/32	M 5	165	6 1/2	348235
7	9/32	M 5	170	6 11/16	348417
8	5/16	M 6	77	3 1/32	362258
8	5/16	M 6	102	4 1/64	370770
8	5/16	M 6	127	5	371868
8	5/16	M 6	155	6 3/32	351713
8	5/16	M 6	185	7 9/32	351533

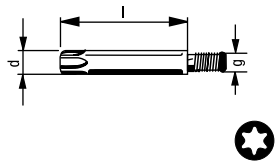
**Semi-finished finders (not hardened)**

(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	1 15/16	490199
44	1 23/32	37	1 15/32	70	2 3/4	490031V
64	1 1/2	57	2 1/4	89	3 1/2	490105V
101	3 21/32	94	3 11/16	102/127	4 / 5	490107V
126	3 21/32	119	4 11/16	152	6	490108V

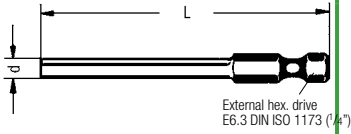
**Threaded bit tips**



torx size	d mm	d in.	g mm	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	1 11/32	8222353
T 10	5.5	7/32	M 4	25	1	803753
T 10	6	15/64	M 5	34	1 11/32	8238943
T 15	6	15/64	10-32	34	1 11/32	8129453
T 15	5.5	7/32	M 4	25	1	803754
T 15	6	15/64	M 5	34	1 11/32	8206033
T 20	6	15/64	10-32	34	1 11/32	8202973
T 20	5.5	7/32	M 4	25	1	8037563
T 20	6	15/64	M 5	34	1 11/32	8128943
T 20	7	9/32	M 5	25	1	8210423
T 25	6	15/64	10-32	34	1 11/32	8202983
T 25	5.5	7/32	M 4	25	1	8250083
T 25	6	15/64	M 5	34	1 11/32	8221063
T 25	7	9/32	M 6	25	1	8217603
T 30	6	15/64	10-32	34	1 11/32	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

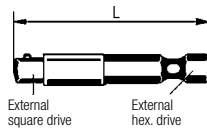
\*) special lengths upon request

### Special bits (not hardened)



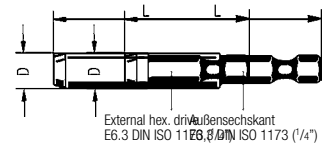
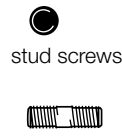
mm	d	in.	mm	L	in.	Part no.
7	.275		70	2 <sup>3</sup> / <sub>4</sub>		490221V
7	.275		102	4		490222V
7	.275		127	5		490223V
7	.275		152	6		490224V
7	.275		200	7 <sup>7</sup> / <sub>8</sub>		490225V
7	.275		260	10 <sup>1</sup> / <sub>4</sub>		490279
7	.275		300	11 <sup>13</sup> / <sub>16</sub>		490281V
8	.315		300	11 <sup>13</sup> / <sub>16</sub>		490319V

### Adapters



square drive	mm	L	in.	Part no.
1/4"	50	2		804050
1/4"	76	3		8036471
1/4"	100	3 <sup>15</sup> / <sub>16</sub>		804051
1/4"	152	6		8038081
1/4"	203	8		8038091
1/4"	254	10		8038101
1/4"	305	12		8038111
1/4"	355	14		8037981
1/4"	406	16		8207661
3/8"	50	2		8040521
3/8"	76	3		8201451
3/8"	100	3 <sup>15</sup> / <sub>16</sub>		803807
3/8"	152	6		8203921
3/8"	254	10		8038051
1/2"	50	2		804053
1/2"	152	6		8200351

### Chuck for stud screws



stud screws	mm	D	in.	mm	L	in.	Part no.
M 3	9	1 <sup>1</sup> / <sub>32</sub>		50	2		390287
M 4	9	1 <sup>1</sup> / <sub>32</sub>		50	2		390285
M 5	9	1 <sup>1</sup> / <sub>32</sub>		50	2		390335
M 6	9	1 <sup>1</sup> / <sub>32</sub>		50	2		390288
M 8	16	5/8		55	2 <sup>3</sup> / <sub>16</sub>		390295
M 10	16	5/8		55	2 <sup>3</sup> / <sub>16</sub>		390339
M 12	16	5/8		55	2 <sup>3</sup> / <sub>16</sub>		390338

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

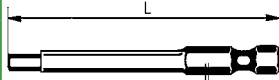
allen screws,  
threaded pins



Torx screws



**Bits**



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




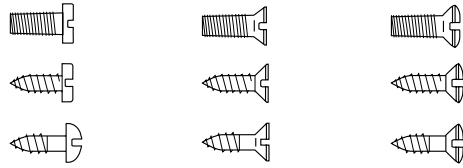
External hex drive  
E6.3 DIN ISO 1173 (1/4")  
Torx bit

AF mm	AF in.	Torx- size	L = 50 (1 <sup>15</sup> / <sub>16</sub> "") Part no.	L = 70 (2 <sup>3</sup> / <sub>4</sub> "") Part no.	L = 50 (1 <sup>15</sup> / <sub>16</sub> "") Part no.	L = 70 (2 <sup>3</sup> / <sub>4</sub> "") Part no.	L = 89 (3 <sup>1</sup> / <sub>2</sub> "") Part no.	L = 152 (6") Part no.
1.5	.059	—	—	—	—	—	—	—
1.5	.059	T 6	—	—	821092	8215162	8210551	823038
—	—	T 7	—	—	8035351	8035481	8035601	8235201
2	.078	T 8	3248143	327153	803536	8038663	803561	803575
—	—	T 9	—	—	8035371	8035491	8035621	8035761
2	.078	T 10	3248143	327153	8038692	803550	8035631	803868
2.5	.098	T 10	804114	325565	—	—	—	—
—	—	T 15	—	—	8035381	812914	8035641	8035771
2.5	.098	T 20	804114	325565	8035391	812915	8035651	8035781
3	.118	T 20	—	—	—	—	—	—
3	.118	T 25	804115	803975	8035401	812916	8035661	8035791
4	.157	T 25	804116	803976	—	—	—	—
—	—	T 27	—	—	8035411	812917	8229951	8035801
4	.157	T 30	804116	803976	8035421	812918	8035681	8035811
5	.195	T 30	—	—	—	—	—	—
5	.195	T 40	804117	803977	8035431	803556	8035691	8035821
6	.234	T 40	804118	803978	—	—	—	—
8	.312	—	803678	8129283	—	—	—	—





# FOR SENSOMAT, MINIMAT-T SCREWDRIVERS

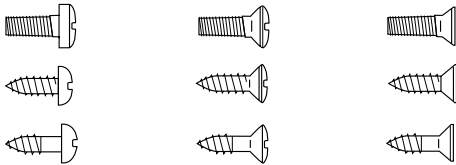
 slotted screws  
(only self tapping screws)



	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

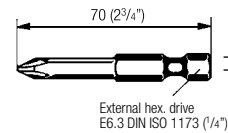
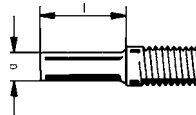
 PHILLIPS screws  
(only drilling and self tapping screws)

 POZIDRIV screws  
(only drilling and self tapping screws)

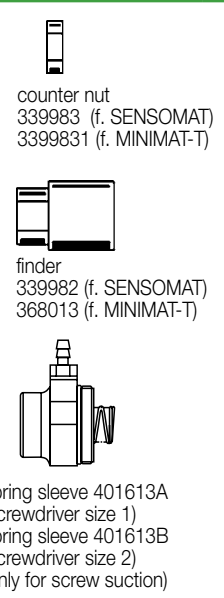


## Sensor sleeves, bits

counter nut for above with finders (and spring sleeve),  
without and with screw suction\*)



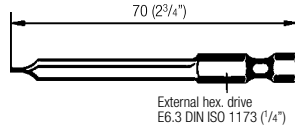
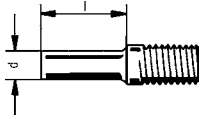
point size	head dia.		d				sensor sleeves Part no.	bit		Part no.
	mm	in.	mm	in.	mm	in.		PHILLIPS Part no.	POZIDRIV Part no.	
1	3.8	.150	6	.24	17	11/16	346070			counter nut 339983 (f. SENSOMAT) 3399831 (f. MINIMAT-T)
1	4	.157	6	.24	17	11/16	346071	338894	339140	
1	4.3	.170	6	.24	17	11/16	346072			
1	4.7	.185	6.5	.26	17	11/16	—			
1	5	.196	7	.28	17	11/16	346089	804046	803988	
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	804047	803989	
2	6.9	.271	9	.35	17	11/16	346093			
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

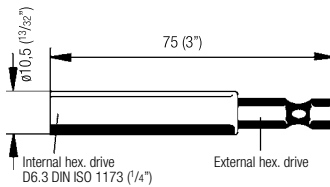
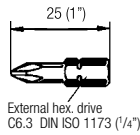
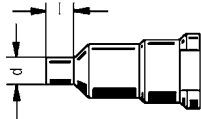
counter nut for above with finders, without screw suction



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)	339982 (f. SENSOMAT)
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	—	0.5 x 3	.020 x .122			
7	.28	17	11/16	346075	0.5 x 3	.020 x .122			
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	803595		
9	.35	17	11/16	346081	1.0 x 5.5	.038 x .215	803596		
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	803873		
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		


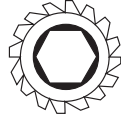
### Sensor sleeves, bits, bit holder (magnetic)

counter nut for above with finders, without screw suction


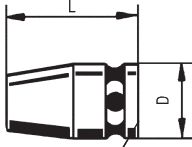
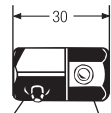


d		l		sensor sleeves Part no.	bit		bit holder (magnetic) Part no.	counter nut Part no.	finder Part no.
mm	in.	mm	in.		PHILLIPS Part no.	POZIDRIV Part no.			
7	.28	7	.28	344123	804636	804665	821068	343982 (f. SENSOMAT)	343981 (f. SENSOMAT)
7	.28	7	.28						
7	.28	7	.28						
7	.28	7	.28						
7	.28	7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


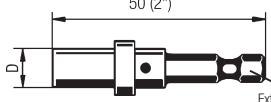
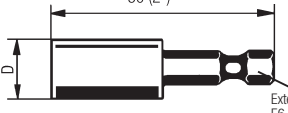
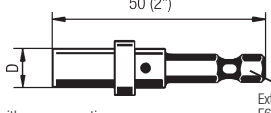
**FOR RATCHET WRENCH**

 hex. screws hex. nuts		<b>Sockets with hexagon</b>		Closed Head	39-331-46 K
		39-521-19 K			
AF mm	AF in.	Part no.		Part no.	
5	—	4014678		—	
5.5	7/32	4014677		—	
7	—	4014675		—	
8	5/16	4014674		—	
10	—	4014672		—	
11	—	—		804154	
12	—	—		804155	
13	—	—		—	
14	—	—		—	
15	—	—		—	
16	5/8	—		—	
17	—	—		804157	
18	—	—		—	
19	3/4	—		804158	
22	—	—		804159	
24	—	—		402717	
27	1 1/16	—		804161	
1/2"	—	—		804165	
5/8"	—	—		—	

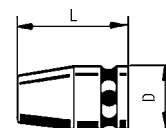
In-between sizes with hexagon and sockets with square on request

 hex. screws hex. nuts		<b>Sockets, Holder</b>		Closed Head		39-331-32 K   39-331-46 K		39-331-32 L	
		 Internal square, drive G12.5 DIN 3121 (1/2")				 External square, drive E12.5 DIN 3121 (1/2")   External hex. drive AF 14			
AF mm	AF in.	D		L		Socket		Holder (for socket AF 14)	
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	804245	
21	—	30	1 3/16	38	1 1/2	—	820526	—	
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 39/64	50	1 31/32	—	804398	—	

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

 hex. screws hex. nuts		<b>Sockets with shaft 1/4" hex. drive</b>						 with screw suction (only MINIMAT straight screwdr. size 1 and size 2)		
		 External hex. drive E6.3 DIN ISO 1173 (1/4")			 External hex. drive E6.3 DIN ISO 1173 (1/4")					
AF mm	AF in.	D		non-magnetic Part no.		magnetic Part no.		Part no.		
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		—	—	—





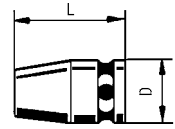
**Sockets with female square drive**

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 mm	D in.	L mm	L in.	non- magnetic Part no.	magnetic Part no.	D mm	D in.	L mm	L in.	non- magnetic Part no.	magnetic Part no.	D mm	D in.	L mm	L in.	non- magnetic Part no.	magnetic Part no.
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	11/16	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 3/64	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	—

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 mm	AF in.	D mm	D in.	L mm	L in.	Part no.	D mm	D in.	L mm	L in.	Part no.	D mm	D in.	L mm	L in.	Part no.	D mm	D in.	L mm	L in.	Part no.	D mm	D in.	L mm	L in.	Part no.	
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 9/4	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 51/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	150	5 29/32	140	5 33/64	804480	
110	4 21/64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	6 9/64	135	5 9/16	804463	156	6 9/64	147	5 25/32	804481	
115	4 17/32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	6 9/64	135	5 9/16	804463	162	6 3/8	147	5 25/32	804482	
120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	6 19/64	128	5 3/64	825633	169	6 21/32	150	5 29/32	804483	
130	5 1/8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	175	6 57/64	152	5 63/64	804484	
145	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	188	7 13/32	160	6 19/64	804485	
155	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	207	8 5/32	170	6 11/16	804486	
																						218	8 37/64	177	6 31/32	804487	

Please order locking pin and rubber ring extra

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

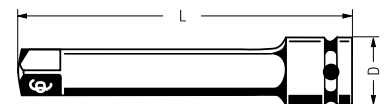


**Sockets with internal square drive DIN 3121**

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	—	—	—	—	—	—	—	—	—	—
8	5/16	13	1/2	45	1 3/4	8037591	19	3/4	51	2	820872	25	1	85	3 11/32	804400
9	—	14.5	9/16	45	1 3/4	8204461	19	3/4	51	2	820873	—	—	—	—	—
10	—	16	5/8	45	1 3/4	8037601	19	3/4	51	2	820874	25	1	85	3 11/32	804401
11	—	16	5/8	45	1 3/4	8207851	19	3/4	51	2	820875	—	—	—	—	—
12	—	17.5	11/16	45	1 3/4	8201011	19	3/4	51	2	820876	—	—	—	—	—
13	—	19	3/4	45	1 3/4	8129311	22	7/8	51	2	820877	25	1	85	3 11/32	804402
16	5/8	—	—	—	—	—	24.5	31/32	51	2	820878	30	1 3/16	80	3 5/32	820534
17	—	—	—	—	—	—	25.5	1	51	2	820879	30	1 3/16	85	3 11/32	804403
18	—	—	—	—	—	—	26.5	1 3/64	51	2	820880	30	1 3/16	80	3 5/32	820535
19	3/4	—	—	—	—	—	28	1 3/32	51	2	820881	30	1 3/16	80	3 5/32	804404
21	—	—	—	—	—	—	—	—	—	—	—	30	1 3/16	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



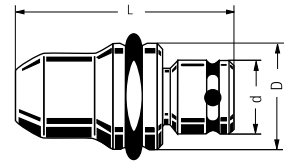
**Extensions with internal square drive DIN 3121**

Internal-□	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")								
External-□	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		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.						
	19	3/4	75	2 61/64	804490	25	63/64	75	2 61/64	804493	44	1 47/64	175	6 27/64	804497	54	2 1/8	175	6 27/64	804501	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	250	9 27/32	804498	54	2 1/8	250	9 27/32	804502	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	330	13	804499	54	2 1/8	330	13	804503	—	—	—	—	—

Please order locking pin and rubber ring extra

internal hex. screws		Bits			Holder						
threaded pins with internal hex.		external hex. drive			Internal hex. drive						
AF mm	AF in.	L = 35 mm = 1 <sup>3</sup> / <sub>8</sub> in. Part no.	L = 40 mm = 1 <sup>37</sup> / <sub>64</sub> in. Part no.	L = 50 mm = 1 <sup>31</sup> / <sub>32</sub> in. Part no.	internal square drive DIN 3121	internal hex. drive	D mm	D in.	L mm	L in.	Part no.
3	1/8	804525									
4	—	804526									
5	—	804527									
6	—	804528	—								
6	—	820046									
7	—	804529									
8	5/16	804530	804533	—							
10	—	804531	804534		G 10 (3/8")	7/16" (11.1 mm)	22	55/64	32	1 1/4	804520
12	—	804532	804535		G 12.5 (1/2")	7/16" (11.1 mm)	30	1 3/16	38	1 1/2	804521
12	—	804533	804536		H 20 (3/4")	5/8" (15.9 mm)	44	1 47/64	52	2 3/64	804522
14	—	804534	804537		H 20 (3/4")	7/8" (22 mm)	44	1 47/64	60	2 23/64	804519
14	—	820215	804536		H 25 (1")	5/8" (15.9 mm)	54	2 1/8	68	2 43/64	8045231
17	—				H 25 (1")	7/8" (22 mm)	54	2 1/8	70	2 3/4	804524
17	—			804537							
19	3/4			804541							
19	3/4			804542							
22	—			804619							
24	—			804574							
27	1 1/16			804618							
32	—										
36	—										

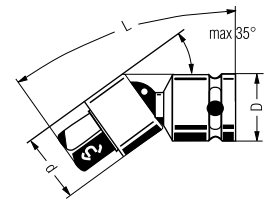
Please order locking pin and rubber ring extra



Chuck for stud screws with internal square drive DIN 3121

Thread size	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")									
	D mm	D in.	d mm	d in.	L mm	L in.	Part no.	D mm	D in.	d mm	d in.	L mm	L in.	Part no.	D mm	D in.	d mm	d in.	L mm	L in.	Part no.	
M 5	35	1 3/8	22	55/64	65	2 9/16	790025B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 6	35	1 3/8	22	55/64	65	2 9/16	790025C	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 8	35	1 3/8	22	55/64	65	2 9/16	790025D	47	1 27/32	28	1 7/64	79	3 7/64	390203A	—	—	—	—	—	—	—	—
M 10	35	1 3/8	22	55/64	65	2 9/16	790025E	47	1 27/32	28	1 7/64	84	3 5/16	390203B	—	—	—	—	—	—	—	—
M 12	—	—	—	—	—	—	—	47	1 27/32	28	1 7/64	84	3 5/16	390203C	—	—	—	—	—	—	—	—
M 14	—	—	—	—	—	—	—	47	1 27/32	28	1 7/64	84	3 5/16	390203D	60	2 23/64	41	1 39/64	95	3 47/64	3901351A	
M 16	—	—	—	—	—	—	—	47	1 27/32	28	1 7/64	84	3 5/16	390203E	60	2 23/64	41	1 39/64	95	3 47/64	3901351B	
M 18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	2 23/64	41	1 39/64	95	3 47/64	3901351C	
M 20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	2 23/64	41	1 39/64	95	3 47/64	3901351D	
M 22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	2 23/64	41	1 39/64	95	3 47/64	3901351E	
M 24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	2 23/64	41	1 39/64	95	3 47/64	3901351F	
M 27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M 33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Please order locking pin and rubber ring extra



Ball joint with internal square drive DIN 3121

Internal-□	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")												
External-□	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 mm in.	d mm in.	L = 43 mm Part no.	D mm in.	d mm in.	L = 58 mm Part no.	D mm in.	d mm in.	L = 78 mm Part no.	D mm in.	d mm in.	L = 95 mm Part no.	D mm in.	d mm in.	L = 128 mm Part no.	D mm in.	d mm in.	L = 178 mm Part no.
	16 5/8	16 5/8	804518	22 55/64	22 55/64	804510	28 1 7/64	28 1 7/64	804511	38 1 1/2	38 1 1/2	804512	53 2 3/32	53 2 3/32	804513	86 3 25/64	86 3 25/64	804514

Please order locking pin and rubber ring extra

















## FOR IMPACT WRENCHES, PULSE TOOLS, EC-SERVO SCREWDRIVER

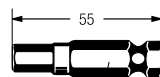
### Locking pins and rubber rings for sockets, holder, extensions, ball joints and chucks for stud screws

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

## 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	AF mm	AF in.	Part no.
		5	—	804515
		6	—	804516
		8	$\frac{5}{16}$	804538
		10	—	804539
		10	—	804539
		12	—	804540
		12	—	804540
		14	—	804517



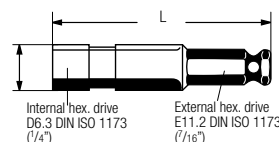
External hex. drive E11.2 DIN ISO 1173 ( $\frac{7}{16}$ "

### Holder

External square drive	L mm / in.	Part no.	for sockets
E 10 DIN 3121 ( $\frac{3}{8}$ "	50 / $\frac{131}{32}$	8043651	
E 12.5 DIN 3121 ( $\frac{1}{2}$ "	54 / $\frac{21}{8}$	8043661	
F 20 DIN 3121 ( $\frac{3}{4}$ "	76 / 3	8043631	

for bit with external hex. drive C 6.3 DIN ISO 1173 ( $\frac{1}{4}$ "		
L mm / in.	D mm / in.	non-magnetic Part no.
65 / $\frac{29}{16}$	11.1 / $\frac{7}{16}$	825021



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