



Standard punch systems



► Ball bearing draw stud reduces operating force

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual / hydraulic

Predrilling







- Draw stud 9.5 mm dia., pilot drill 9.7 mm diameter 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm diameter 50344030







Scope of supply

- Complete system including punch, die and draw stud for manual operation

Additional information

- *50042181 Draw stud without ball-bearing

Punch size			Max. Material thickness	Individual parts for manual operation					Draw studs + Accessories for hydraulic units				Complete unit	
True dimension	Standard size								Draw studs			Accessories		
	mm	Pg	ISO						mm (St37)	Punch	Die	Draw stud with ball bearing	Ball bearing nut	
12.7	PG 7		1.5	50069969	50042351	50042181								50024086
14.3			1.5	50042300	50042297	50042181								50024337
15.2	Pg 9		2.0	50213164	50320025	50000420								50211153
15.9			1.5	50042238	50042246	50042181							50339672	50024094
16.2	ISO 16		2.0	50351931	50351621	50000420			51300430		51300430	50339672		50351923
18.6			2.0	50177001	50320033	50000420			51300430		51300430	50339672		50188860
19.1			2.0			50000420			51300430		51300430	50339672		50206672
20.4	Pg 13	ISO 20	2.0	50176978	50320041	50000420			51300430		51300430	50339672		50188879
20.6			2.0	50042262	50042254	50000420			51300430		51300430	50339672		50206680
22.5	Pg 16		3.5	51040060	51147220	50000420			51300430		51300430	50339672		50225634
23.8			2.0	50042386	50042378	50000420			51300430		51300430	50339672		50253417
25.4	ISO 25		2.0	50039865	50351648	50000420			51300430		51300430	50339672		50206702
27.0			2.0	50042408	50042424	50000420			51300430		51300430	50339672		50253425
28.3	Pg 21		3.5	51040080	51069720	50040405			51300430		51300430	50339672		50225642
28.3	Pg 21		2.0	50368826	50320068	50000420			51300430		51300430	50339672		50369105
28.6			2.0	50039903	50039911	50000420			51300430		51300430	50339672		50206710
30.5			1.5	50362828	50362798	50000420			51300430		51300430	50339672		50365061
31.8			1.5	50040022		50000420			51300430		51300430			50206737
32.5	Pg 32		3.5	50244590	50351680	50040405			50318721		50318721			50244760
33.4			1.5	50065874	50065866	50000420			50318721		50318721			50253441
34.6			3.5	50040103	50040111	50040405			50318721		50318721			50225650
34.9			3.5	50047345	50047353	50040405			50318721		50318721			50254278
37.0	Pg 29		3.5	50183311	50320084	50040405			50318721		50318721			50188909
38.1			3.5	50047361	50070444	50040405			50318721		50381721			50254286
40.5	ISO 40		3.5	50244620	50351591	50040405			50318721		50381721			50244779

Punch size			Max. Material thick- ness mm	Individual parts for manual operation					Draw studs + Accessories for hydraulic units				Complete unit	
	Standard size								Draw studs			Accessories		
	mm	Pg							ISO	mm (St37)	Punch	Die	Draw stud with ball bearing	Ball bearing nut
41.3			3.5	50042513	50042505	50040405				50318721		50381721		50253492
43.2			3.5	51069740	50040138	50040405				50318721		50318721		50225669
44.5			3.5	50042572	50042564	50040405				50318721		50318721		50253506
47.0			3.5	50176870	51320090	50040421				50318721		50318721		50188917
47.6			3.5	50042483	50042491	50040421				50318721		50318721		50253514
49.6			3.5	50069780	50040618	50040421				50318721		80318721		50225677
50.8		ISO 50	3.5	50042327	50351613	50040421				50318721		50318721		50206761
54.0	Pg 42		3.5	50042459	50361732	50040421				50318721		50318721		50206788
57.2			3.5	50040588	50040596	50040421				50318721		50318721		50253603
60.0	Pg 48		3.5	50176900	50320114	50040421				50318721		50318721		50188925
61.5			3.5	50040626	50040634	50040421				50318721		50318721		50225685
63.5		ISO 63	3.5	50042343	50042335	50041886				50318721		50318721		50206796
66.7			3.5	50042521	50069977	50041886	50041878				52045040	52045040		50212141
69.9			3.5	50042475	50042467	50041886	50041878				52045040	52045040		50253611
70.6			3.5	50024450	50024434	50040421	50041878				52045040	52045040		50253832
74.0			3.5	50041754	50041770	50041886	50041878				52045040	52045040		50199757
76.2			3.5	50042599	50042580	50041886	50041878				52045040	52045040		50253727
79.4			3.5	50063634	50063626	50041886	50041878				52045040	52045040		50254030
82.0			3.5	50189050	50189069	50041886	50041878				52045040	52045040		50186353
89.8			3.5	50041800	50041835	50041886	50041878				52045040	52045040		50199765
95.3			3.5	50052659	50052667	50041886	50041878				52045040	52045040		50212168
102.7			3.5	50046535	50046527	50046799	50046853	50046861			52045040	52045040	50031708	50199773
115.4			3.5	50046551	50046543	50046799	50046853	50046861			52045040	52045040	50031708	50199781
120.0			3.5	50214896	50214918	50046799	50046853	50046861			52045040	52045040	50031708	50215191
143.7			3.5	50054473	50054481	50046799	50046853	50046861			52045040	52045040	50031708	50199803



Punching

Round and special shape punches

Slug Buster® punch system



- ▶ For quick, clean, effortless and burr-free holes
- ▶ Split slugs fall free and can be removed easily

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual / hydraulic

Predrilling






- Draw stud 9.5 mm dia., pilot drill 9.7 mm diameter 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm diameter 50344030

Scope of supply

- Complete system including punch, die and draw stud for manual operation

Additional information

- 50042181 Draw stud without ball-bearing

Punch size			Max. Material thickness	Individual parts for manual operation			Draw studs + Accessories for hydraulic units		Complete unit
									
True dimension	Standard size								
mm	Pg	ISO	mm (St37)	Punch	Die	Draw stud with ball bearing	Hand hydraulic 7804E 7904E	Battery powered punch LS 50 FLEX LS60 L	Part No.
12.5	Pg 7	ISO 12	1.5	50067281	50067290	50042181			50067273
15.2	Pg 9		2.0	50319698	50320025	50000420	51300430	51300430	50319892
16.2		ISO 16	2.0	50351630	50351621	50000420	51300430	51300430	50351770
18.6	Pg 11		2.0	50319701	50320033	50000420	51300430	51300430	50319906
20.4	Pg 13	ISO 20	2.0	50319710	50320041	50000420	51300430	51300430	50319914
22.5	Pg 16		2.0	50317563	51147220	50000420	51300430	51300430	50319620
25.4		ISO 25	2.0	50351656	50351648	50000420	51300430	51300430	50351788
28.3	Pg 21		3.0	50317571	51069720	50040405	50318721	52045040	50319639
28.3	Pg 21		2.0	50319736	50320068	50000420	51300430	51300430	50319930
30.5			2.0	50362844	50362798	50000420	51300430	51300430	50365088
30.5			3.5	50602373	50362780	50040405	50318721	52045040	50602462
32.5		ISO 32	3.5	50351699	50351680	50040405	50318721	52045040	50351796
34.6			3.5	50317580	50040111	50040405	50318721	52045040	50319647
37.0	Pg 29		3.5	50319752	50320084	50040405	50318721	52045040	50319957
40.5		ISO 40	3.5	50351583	50351591	50040405	50318721	52045040	50351800
43.2			3.5	50317598	50040138	50040405	50318721	52045040	50319655
47.0	Pg 36		3.5	51319760	51320090	50040421	50318721	52045040	50319965
49.6			3.5	50317601	50040618	50040421	50318721	52045040	50319663
50.8		ISO 50	3.5	50351605	50351613	50040421	50318721	52045040	50351818
54.0	Pg 42		3.5	50361724	50361732	50040421	50318721	52045040	50361716
60.0	Pg 48		3.5	50319787	50320114	50040421	50318721	52045040	50319981
61.5			3.5	50317610	50040634	50040421	50318721	52045040	50319671
64.0		ISO 63	3.5		50351664	50040421	50318721	52045040	50351826