



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	
									Draw studs		Accessories			
True dimension	Standard size													
mm	Pg	ISO	mm (St37)	Punch	Die	Draw stud with ball bearing	Ball bearing nut	Spacer	Hand hydraulic 7804E, 7904E	Battery powered punch LS 50 FLEX LS 60 L	Hydr. pump 50159062 50250973	Adapter sleeves 19,0 / 28,6	Part No.	
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	
True dimen- sion	Standard size								Draw studs			Accessories		
														
mm	Pg	ISO	mm (St37)	Punch	Die	Draw stud with ball bearing	Ball bearing nut	Spacer	Hand hydraulic 7804E, 7904E	Battery powered punch LS 50 FLEX LS 60 L	Hydr. pump 50159062 50250973	Adapter sleeves 19,0 / 28,6		Part No.
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