

Standard knockout punch systems

Ball bearing draw stud minimises working force



Suitable for:

- Mild steel, plastic and aluminium up to 3 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill \varnothing 9.7 mm 50360183
- Draw stud 19 mm, pilot drill \varnothing 20.5 mm 50344030

Scope of supply

- Punch unit includes punch, die and draw stud for manual operation

Punch size			Max. material thickness mm	Complete Unit	Individual parts for manual operation					Draw studs + accessories for hydraulic units			
True dimension mm	Standard size				Mild steel	Punch	Die	Draw stud with ball bearing	ball bearing nut	Spacer Spacer	Draw studs		
	Pg	ISO									LS 60 Plus		
66.7			3.0	50212141	50042521	50069977	50041886	50041878			50032941	50032941	
69.9			3.0	50253611	50042475	50042467	50041886	50041878			50032941	50032941	
70.6			3.0	50253832	50024450	50024434	50040421				50032941	50032941	
74.0			3.0	50199757	50041754	50041770	50041886	50041878			50032941	50032941	
76.2			3.0	50253727	50042599	50042580	50041886	50041878			50032941	50032941	
79.4			3.0	50254030	50063634	50063626	50041886	50041878			50032941	50032941	
82.0			3.0	50186353		50189069	50041886	50041878			50032941	50032941	
89.8			3.0	50199765	50041800	50041835	50041886	50041878			50032941	50032941	
95.3			3.0	50212168	50052659	50052667	50041886	50041878			50032941	50032941	
102.7			3.0	50199773	50046535	50046527	50046799	50046853	50046861		50032941		50031708
115.4			3.0	50199781	50046551	50046543	50046799	50046853	50046861		50032941		50031708
120.0			3.0	50215191	50214896	50214918	50046799	50046853	50046861		50032941		50031708
143.7			3.0	50199803	50054473	50054481	50046799	50046853	50046861		50032941		50031708

■ Slug Buster® slug splitting punches

- Unique punch profile
- Splitted slugs easy fall free and can be removed easily

Suitable for:

- Mild steel, plastic and aluminium up to 3 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Order info

- * 50042181 Screw without ball-bearing



Punch size			Max. material thickness mm	Complete Unit	Individual parts for manual operation			Draw studs	
True dimension mm	Standard size				Punch	Die	Draw stud with ball bearing		LS 60 Plus 50159062 50250973
	Pg	ISO	Mild steel						
12.5	Pg 7	ISO 12	1.5	50067273	50067281	50067290	50042181*		
15.2	Pg 9		2.0	50319892	50319698	50320025	50000420	50300431	50300431
16.2		ISO 16	2.0	50351770	50351630	50351621	50000420	50300431	50300431
18.6	Pg 11		2.0	50319906	50319701	50320033	50000420	50300431	50300431
20.4	Pg 13	ISO 20	2.0	50319914	50319710	50320041	50000420	50300431	50300431
22.5	Pg 16		2.0	50319620	50317563	50147226	50000420	50300431	50300431
25.4		ISO 25	2.0	50351788	50351656	50351648	50040405	50300431	50300431
28.3	Pg 21		3.0	50319639	50317571	50069721	50040405	50318721	50032941
28.3	Pg 21		2.0	50319930	50319736	50320068	50000420	50300431	50300431
30.5			2.0	50365088	50362844	50362798	50000420	50300431	50300431
30.5			3.0	50602462	50602373	50362780	50040405	50318721	50032941
32.5		ISO 32	3.0	50351796	50351699	50351680	50040405	50318721	50032941
34.6			3.0	50319647	50317580	50040111	50040405	50318721	50032941
37.0	Pg 29		3.0	50319957	50319752	50320084	50040405	50318721	50032941
40.5		ISO 40	3.0	50351800	50351583	50351591	50040405	50318721	50032941
43.2			3.0	50319655	50317598	50040138	50040405	50318721	50032941
47.0	Pg 36		3.0	50319965	50319760	50320092	50040421	50318721	50032941
49.6			3.0	50319663	50317601	50040618	50040421	50318721	50032941
50.8		ISO 50	3.0	50351818	50351605	50351613	50040421	50318721	50032941
54.0	Pg 42		3.0	50361716	50361724	50361732	50040421	50318721	50032941
60.0	Pg 48		3.0	50319981	50319787	50320114	50040421	50318721	50032941
61.5			3.0	50319671	50317610	50040634	50040421	50318721	50032941
64.0		ISO 63	3.0	50351826	50351672	50351664	50040421	50318721	50032941