

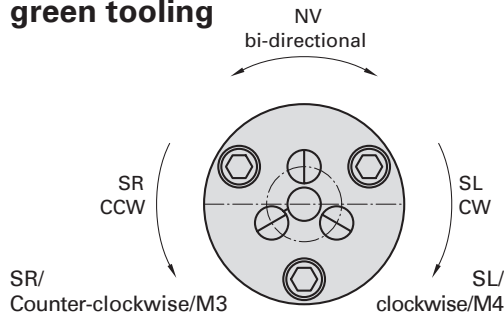
Changeable parts for Face drivers

- drive pin
soft/green tooling
SL/SR/NV
- drive pin
hard turning
KV-HS
- drive pin
hard turning
FV-diamond
- drive pin
soft/green tooling of
high-tensile-strength
materials carbide
- center pins SB/FSB
- center pins FFB
- drive pins and
center pins of
special design



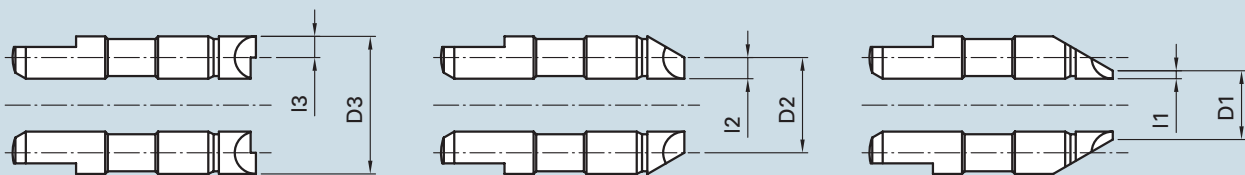
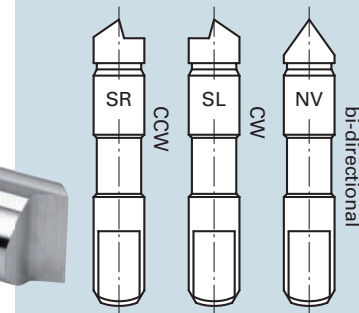
Drive pin Chisel SL/SR/NV

Drive pin for torque transmission onto work piece for soft/green tooling



(view from tailstock to face driver)

Type SB/FSB/FFB chisel SL/SR/NV



Types 01 and 11 with chisel SL and SR are double chiselled

Drive pin with chisel SL for tooling direction M4

catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
736104	8			1.5			SB 01
736105		11			3		FSB 01
736106			17			6	FFB 01
73604	6			1.5			SB 0
73605		11			4		FSB 0
73606			19			8	FFB 0
73613	13			1.5			SB 1
73614		18			4		FSB 1
73615			26			8	FFB 1
73676	11			1.5			SB 11
73677		14			3		FSB 11
73678			20			6	FFB 11
73622	26			5			SB 2
73623		31			7.5		FSB 2
73624			36			10	FFB 2
73631	34			5			SB 3
73632		39			7.5		FSB 3
73633			44			10	FFB 3
73685	29			5			FSB 35
73686		39			5		FFB 35
73687			49			5	
73640	39			5			SB 4
73641		49			7.5		FSB 4
73642			59			7.5	FFB 4

catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
73694	49			5			FSB 45
73695		59			7.5		FFB 45
73696			69			7.5	
73649	69			5			SB 5
73650		84			10		FSB 5
73651			99			10	FFB 5
73658	110			5			SB 55
73659		125			10		FSB 55
73660			140			10	FFB 55
73667	140			5			SB 6
73668		155			10		FSB 6
73669			170			10	FFB 6
736114	180			5			FSB 7
736115		195			15		
736116			210			20	
736344	230			5			FSB 75
736345		245			15		
736346			260			20	
736373	270			10			FSB 8
736374		290			20		
736375			310			30	
736364	320			10			FSB 85
736365		340			20		
736366			360			30	



Drive pin with chisel SR for tooling direction M3

catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
736101	8			1.5			SB 01
736102		11			3		FSB 01
736103			17			6	FFB 01
73601	6			1.5			SB 0
73602		11			4		FSB 0
73603			19			8	FFB 0
73610	13			1.5			SB 1
73611		18			4		FSB 1
73612			26			8	FFB 1
73673	11			1.5			SB 11
73674		14			3		FSB 11
73675			20			6	FFB 11
73619	26			5			SB 2
73620		31			7.5		FSB 2
73621			36			10	FFB 2
73628	34			5			SB 3
73629		39			7.5		FSB 3
73630			44			10	FFB 3
73682	29			5			FSB 35
73683		39			5		FFB 35
73684			49			5	
73637	39			5			SB 4
73638		49			7.5		FSB 4
73639			59			7.5	FFB 4

catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
73691	49			5			FSB 45
73692		59			7.5		FFB 45
73693			69			7.5	
73646	69			5			SB 5
73647		84			10		FSB 5
73648			99			10	FFB 5
73655	110			5			SB 55
73656		125			10		FSB 55
73657			140			10	FFB 55
73664	140			5			SB 6
73665		155			10		FSB 6
73666			170			10	FFB 6
736111	180			5			FSB 7
736112		195			15		
736113			210			20	
736341	230			5			FSB 75
736342		245			15		
736343			260			20	
736370	270			10			FSB 8
736371		290			20		
736372			310			30	
736361	320			10			FSB 85
736362		340			20		
736363			360			30	

Drive pin with chisel NV for rotating direction M4 and M3

catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
736107	8			1.5			SB 01
736108		11			3		FSB 01
736109			17			6	FFB 01
73607	6			1.5			SB 0
73608		11			4		FSB 0
73609			19			8	FFB 0
73616	13			1.5			SB 1
73617		18			4		FSB 1
73618			26			8	FFB 1
73679	11			1.5			SB 11
73680		14			3		FSB 11
73681			20			6	FFB 11
73625	26			5			SB 2
73626		31			7.5		FSB 2
73627			36			10	FFB 2
73634	34			5			SB 3
73635		39			7.5		FSB 3
73636			44			10	FFB 3
73688	29			5			FSB 35
73689		39			5		FFB 35
73690			49			5	
73643	39			5			SB 4
73644		49			7.5		FSB 4
73645			59			7.5	FFB 4

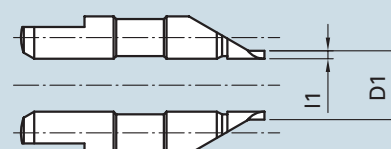
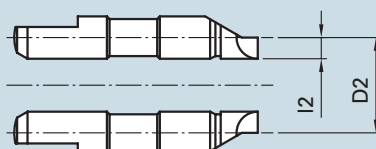
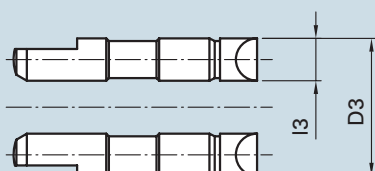
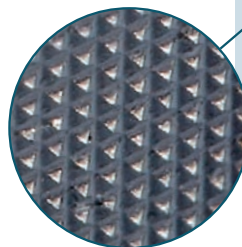
catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
73697	49			5			FSB 45
73698		59			7.5		FFB 45
73699			69			7.5	
73652	69			5			SB 5
73653		84			10		FSB 5
73654			99			10	FFB 5
73661	110			5			SB 55
73662		125			10		FSB 55
73663			140			10	FFB 55
73670	140			5			SB 6
73671		155			10		FSB 6
73672			170			10	FFB 6
736117	180			5			FSB 7
736118		195			15		
736119			210			20	
736347	230			5			FSB 75
736348		245			15		
736349			260			20	
736376	270			10			FSB 8
736377		290			20		
736378			310			30	
736367	320			10			FSB 85
736368		340			20		
736369			360			30	

Drive pin KV-HS

Cross-serrated and coated for hard turning operation

Drive pin for torque transmission onto work piece for hard tooling

Type SB/FSB/FFB KV-HS



catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
736200	8			1.5			SB 01
736201		11			3		FSB 01
736202			17			6	FFB 01
736203	6			1.5			SB 0
736204		11			4		FSB 0
736205			19			8	FFB 0
736209	13			1.5			SB 1
736210		18			4		FSB 1
736211			26			8	FFB 1
736206	11			1.5			SB 11
736207		14			3		FSB 11
736208			20			6	FFB 11
736212	26			5			SB 2
736213		31			7.5		FSB 2
736214			36			10	FFB 2
736215	34			5			SB 3
736216		39			7.5		FSB 3
736217			44			10	FFB 3

catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
736218	29			5			FSB 35
736219		39			10		FFB 35
736220			49			15	
736221	39			5			SB 4
736222		49			10		FSB 4
736223			59			15	FFB 4
736224	49			5			FSB 45
736225		59			10		FFB 45
736226			69			15	
736227	69			5			SB 5
736228		84			12.5		FSB 5
736229			99			20	FFB 5
736230	110			5			SB 55
736231		125			12.5		FSB 55
736232			140			20	FFB 55
736233	140			5			SB 6
736234		155			12.5		FSB 6
736235			170			20	FFB 6

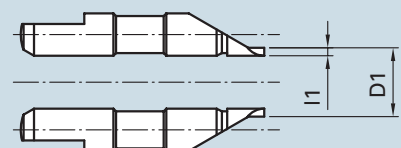
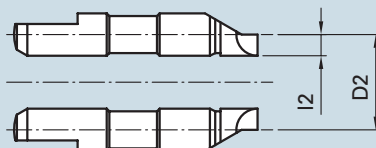
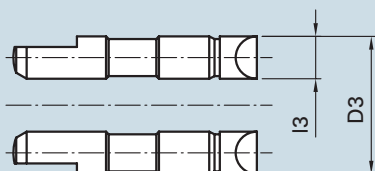
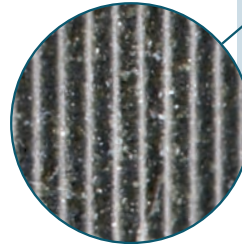


Drive pin FV diamond Serrated and diamond embedded

Drive pin for torque transmission
onto work piece for hard tooling

- for higher friction coefficient and
higher tool life of drive pin

Type SB/FSB/FFB FV diamond



catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
736400	8			1.5			SB 01
736401		11			3		FSB 01
736402			17			6	FFB 01
736403	6			1.5			SB 0
736404		11			4		FSB 0
736405			19			8	FFB 0
736409	13			1.5			SB 1
736410		18			4		FSB 1
736411			26			8	FFB 1
736406	11			1.5			SB 11
736407		14			3		FSB 11
736408			20			6	FFB 11
736412	26			5			SB 2
736413		31			7.5		FSB 2
736414			36			10	FFB 2
736415	34			5			SB 3
736416		39			7.5		FSB 3
736417			44			10	FFB 3

catalogue no.	clamping Ø			chisel length			for type
	D1	D2	D3	l1	l2	l3	
736418	29			5			FSB 35
736419		39			10		FFB 35
736420			49			15	
736421	39			5			SB 4
736422		49			10		FSB 4
736423			59			15	FFB 4
736424	49			5			FSB 45
736425		59			10		FFB 45
736426			69			15	
736427	69			5			SB 5
736428		84			12.5		FSB 5
736429			99			20	FFB 5
736430	110			5			SB 55
736431		125			12.5		FSB 55
736432			140			20	FFB 55
736433	140			5			SB 6
736434		155			12.5		FSB 6
736435			170			20	FFB 6

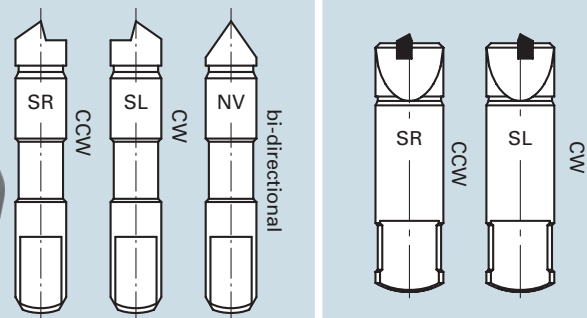
Drive pin Chisel Carbide

full carbide/
carbide inserts

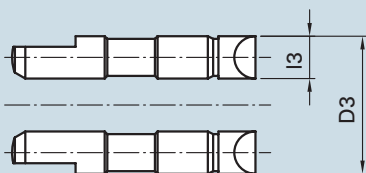
Drive pin for torque
transmission onto
work piece for tooling of
high-tensile-strength materials



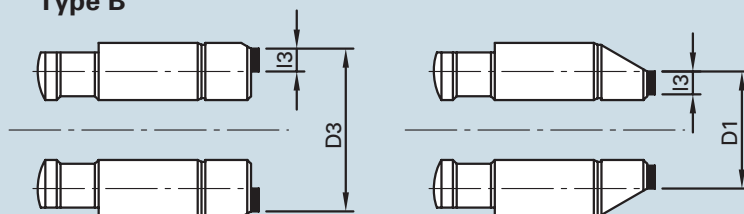
Type SB/FSB/FFB chisel carbide



size 01 – 3 made of full carbide
Type A



size 35 – 6 with carbide inserts
Type B



drive pins with chisel SL for M4

catalogue no.	clamping Ø D1	Ø D3	length l3	for Type	model
736500		17	6	01	A
736501		19	8	0	
736502		26	8	1	
736503		20	6	11	
736504		36	10	2	
736505		44	10	3	
736506	34		6	35	B
736507		46	6	35	
736508	44		6	4	
736509		56	6	4	
736510	54		6	45	
736511		66	6	45	
736512	75		6	5	
736513		95	6	5	
736514	116		6	55	
736515		136	6	55	
736516	146		6	6	
736517		166	6	6	

drive pins with chisel SR for M3

catalogue no.	clamping Ø D1	Ø D3	length l3	for Type	model
736518		17	6	01	A
736519		19	8	0	
736520		26	8	1	
736521		20	6	11	
736522		36	10	2	
736523		44	10	3	
736524	34		6	35	B
736525		46	6	35	
736526	44		6	4	
736527		56	6	4	
736528	54		6	45	
736529		66	6	45	
736530	75		6	5	
736531		95	6	5	
736532	116		6	55	
736533		136	6	55	
736534	146		6	6	
736535		166	6	6	

drive pin with chisel NV
for M3/M4

catalogue no.	clamping Ø D1	Ø D3	length l3	for Type	model
736536		17	6	01	A
736537		19	8	0	
736538		26	8	1	
736539		20	6	11	
736540		36	10	2	
736541		44	10	3	

changeable insert for size 35 – 6
type B

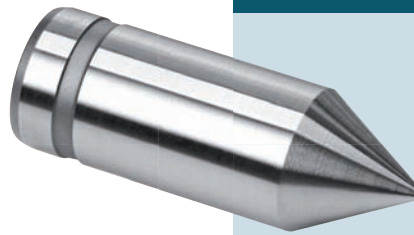
catalogue no.	changeable parts
736550	carbide insert
736551	set screw for fastening of carbide insert

- further clamping-Ø of drive pins upon request



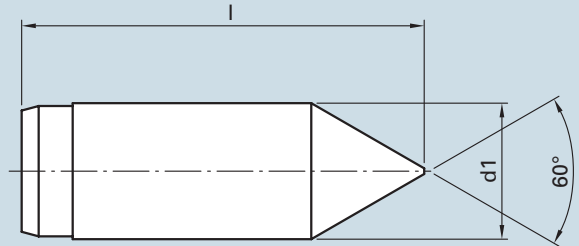
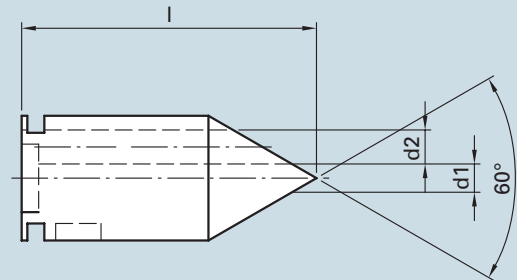
Center pins SB/FSB

for face driver
Type SB/FSB with
movable center pin



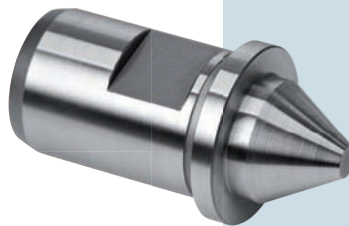
catalogue no.	Type	d1	center Ø	d2	l
735101	SB/FSB 01	5	0 – 5	6	52
73501	SB/FSB 0	3	0 – 3	8	52
73511	SB/FSB 11	6	0 – 6		53
73502	SB/FSB 1	8	0 – 8		53
73503	SB/FSB 2	14	2 – 14		47
73504	SB/FSB 3	18	2 – 18		51
73509	SB/FSB 35	14	2 – 14		47
73505	SB/FSB 4	24	3 – 24		70
73510	SB/FSB 45	28	3 – 28		74
73506	SB/FSB 5	35	3 – 35		96
73508	SB/FSB 55	35	3 – 35		96
73507	SB/FSB 6	35	3 – 35		96
735301	FSB 7	50	25 – 48		100
735401	FSB 75	50	25 – 48		100
735601	FSB 8	80	30 – 76		135
735501	FSB 85	80	30 – 76		135

type SB/FSB Center Pin



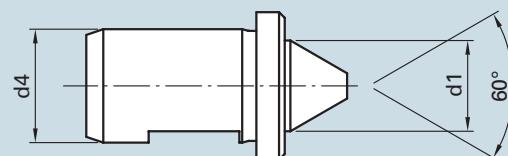
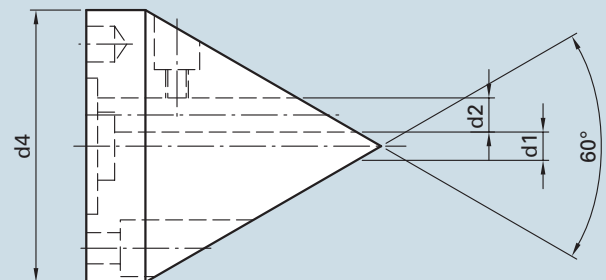
Center pins FFB

for face driver
type FFB with
fixed center



catalogue no.	Type	d1	center Ø	d2	l
73401	FFB 01	5	1 – 5	6	48
734101	FFB 0	3	1 – 3	8	48
73411	FFB 11	7.8	2 – 6.5		6
73402	FFB 1	9.8	4 – 8.5		8
73403	FFB 2	10	4 – 9		14
73404	FFB 3	12	6 – 11		18
73405	FFB 4	16	10 – 15		20
73406	FFB 45	16	10 – 15		28
73407	FFB 5	16	10 – 15		35
73408	FFB 55	16	10 – 15		35
73409	FFB 6	16	10 – 15		35

type FFB Center Pin

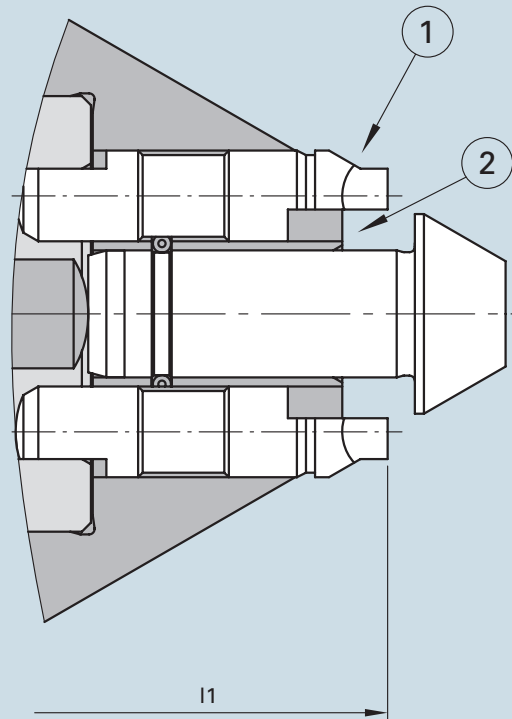


Drive Pins and Center Pins of special design

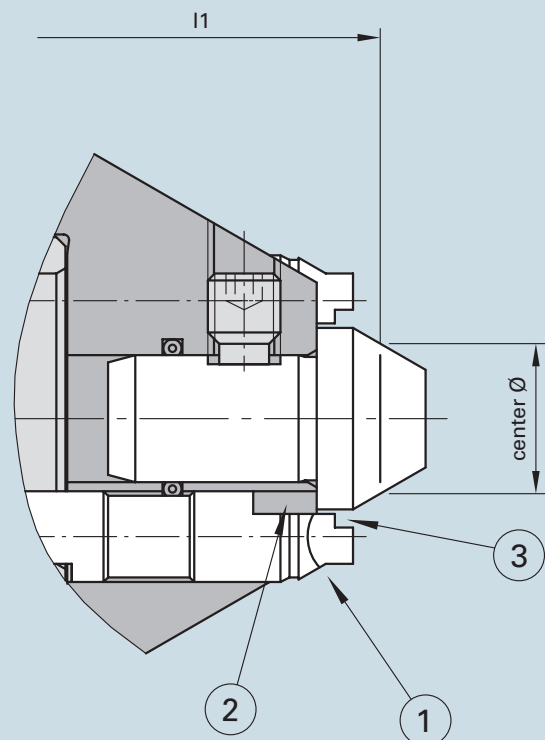
for various work piece surfaces and clamping conditions we design and manufacture a variety of drive pins and center pins of special design

- ① cylindrically set-down tooling clearance for cutting tools
- ② inside set-down: clearance for center pin
- ③ shortened length of chisel: ideal load of chisel

sample of special design type SB/FSB



sample of special design type FFB



Our representative: