

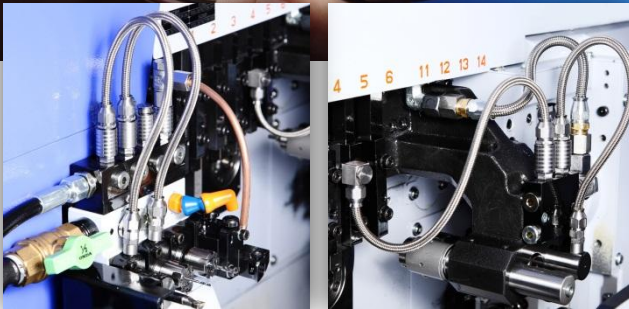


HEB

SYSTEMTECHNIK

HEB MiniPlug HighPressure Coolant Connector System

Rapidly changing turning tools



For Swiss Type Automatic Lathes with High Pressure Coolant

Coolant through tooling systems has become more common in the last years, enhancing modern machining to become more efficient.

In order to transport the coolant through the narrow holes directly to the cutting edges, the use of high-pressure pumps and distribution systems are necessary.

The fittings of these distributors are often placed inside the machine in a confined space. Small-dimensioned and permanently installed copper pipes carry the coolant to the tool holder. To change the tool or cutting plate, the tool holder has to be detached with difficulty from the distribution system.

With the new HEB MiniPlug system, a high-pressure quick connector system is available even for smaller swiss type lathes. The HEB MiniPlug system helps to reduce machine downtime for tool changes.

- Suitable up to 200 bar
- Made of stainless steel
- High-quality flexible braid hoses
- Different thread types available
- System completed with small manifold blocks in two versions

HEB MiniPlug compact information

Alles integriert!



HEB
SYSTEMTECHNIK



HEB MiniPlug 1 - Overview

Item No.	Description	Illustration	RRP
----------	-------------	--------------	-----

Single components

Coupling with seal plug		DN 1, stainl. Steel	
102449	Coupling M5 with seal plug	outside thread	
102853	Coupling M5 with seal plug angled	outside thread, incl. adapter G1/8	
Hose set with plug, straight		DN 1, plastic	
103453	M5x0,8, 100 mm	incl. adapter M6 + M8x1	
103452	M5x0,8, 200 mm	incl. adapter M6 + M8x1	
102441	M5x0,8, 300 mm	incl. adapter M6 + M8x1	
102698	M5x0,8, Custom 100-280 mm	incl. adapter M6 + M8x1	
102862	M5x0,8, Custom bis 1000 mm	incl. adapter M6 + M8x1	
102869	Plug on both sides, 300mm		
102875	Plug on both sides, Sonderl. 100-280mm		
102870	Plug on both sides, Sonderl. bis 1000 mm		
Hose set with plug, angled		DN 1, plastic	
103455	M5x0,8, 100 mm	incl. adapter G1/8 + M6	
103454	M5x0,8, 200 mm	incl. adapter G1/8 + M6	
102850	M5x0,8, 300 mm	incl. adapter G1/8 + M6	

adapter

102447	Seal plug	
102851	adapter M5 F to MiniPlug Jack	
102454	adapter M5 F to M6x1 M	
102453	adapter M5 F auf M8x1 M	
102848	adapter M5 F to G1/8 M	
102940	adapter M5 F to NPT1/16 M	
102940	Elbow adapter M5 F to M5 M	

HEB MiniPlug 3 metric-inch - Overview

Item No.	Description	Illustration	RRP
----------	-------------	--------------	-----

Single components

Coupling incl. seal plug		ND 3, stainless steel	
101994	G 1/8	outside thread	
101995	M 10x1	outside thread	
102184	NPT1/8	outside thread	
103428	UNJF 7/16-20	outside thread	
102498	angled M 8x1	outside thread	
102654	angled G1/8	outside thread	
103560	angled NPT1/8	outside thread	
102038	M 8x1 (for toolholder)	outside thr. incl. plug-adapter	
103729	M 8x1	inner thread	
Hose set with plug, straight		DN 3, stainl. steel-braid hose	
103375	M8x1, 100 mm	incl. adapters M10x1 + G1/8	
102686	M8x1, 200 mm	incl. adapters M10x1 + G1/8	
101991	M8x1, 300 mm	incl. adapters M10x1 + G1/8	
103376	NPT1/8, 100 mm	without adapters	
102938	NPT1/8, 200 mm	without adapters	
102186	NPT1/8, 300 mm	without adapters	
102223	M8x1, custom. 100-280 mm	incl. adapters M10x1 + G1/8	
102039	M8x1, custom. to 1000 mm	incl. adapters M10x1 + G1/8	
102605	NPT1/8, custom. 100-280 mm	without adapters	
102606	NPT1/8, custom. to 1000 mm	without adapters	
102586	plug, 150 mm	without adapters	
103431	Plug, custom. 100-280 mm	without adapters	
103432	Plug, custom. 320-1000 mm	without adapters	
103440	M8x1, straight, custom. 100-320 mm	without adapters	
Hose set with plug, angled		DN 3, stainl. steel-braid hose	
103449	M8x1, 100 mm	incl. adapters M10x1 + G1/8	
103448	M8x1, 200 mm	incl. adapters M10x1 + G1/8	
101992	M8x1, 300 mm	incl. adapters M10x1 + G1/8	
102247	M8x1, custom. 100-280 mm	incl. adapters M10x1 + G1/8	
102043	M8x1, custom. to 1000 mm	incl. adapters M10x1 + G1/8	
103451	1/8" NPT, 100 mm	incl. adapters M8x1 + 1/8" NPT	
103450	1/8" NPT, 200 mm	incl. adapters M8x1 + 1/8" NPT	
102182	1/8" NPT, 300 mm	incl. adapters M8x1 + 1/8" NPT	
102607	1/8" NPT, custom. 100-280 mm	incl. adapters M8x1 + 1/8" NPT	
102608	1/8" NPT, custom. to 1000 mm	incl. adapters M8x1 + 1/8" NPT	
102205	M8x1, angled, custom. 100-320 mm	incl. adapters M10x1 + G1/8 + G1/4	
103501	M8x1, straight/ angled, custom. 100-320 mm	without adapters	

HEB MiniPlug 3 metric-inch - Overview

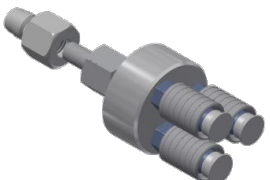


Angled plug , anti-turn		DN 3 stainl. steel, with nozzle	
101993	150 mm, flexible copper tube	for external coolant	
102529	200 mm, flexible steel tube with adjustable nozzle ND 1,2		
Nozzy-nozzle			
102625	200 mm, flexible steel tube with adjustable nozzle ND 1,2 and MiniPlug connector		
103394	Nozzy-Düse, gerade M6x0,5		
103395	Nozzy-Düse, gebogen M6x0,5		
Distribution Block A		5-way, steel burnished	
101990	Inlet G 1/4, Outlet G 1/8	incl. 3 seal plugs G 1/8	
102221	Inlet 1/4" NPT, Outlet 1/8" NPT	incl. 2 seal plugs 1/8" NPT	
Distribution Block R		4-way, steel burnished	
102533	Inlet G 1/8, Outlet G 1/8 only for Star SR-20 RIV	incl. 2 seal plugs G 1/8 and banjo bolt G1/8	
Distribution Block B		8-way, steel burnished	
101997	Inlet G 3/8, Outlet G 1/8	incl. 6 seal plugs G 1/8 and adapter G3/8 -G1/4	
102220	Inlet 1/4" NPT, Outlet 1/8 NPT	incl. 4 seal plugs G 1/8	
Connection feed line		ND 5, stainl. steel braid hose	
101961	G 1/4 - 300 mm	incl. adapter tube end Ø 8	
102190	1/4" NPT - 300 mm	incl. adapter tube end Ø 8	
102166	G 1/4 - custom. to 1000 mm	incl. adapter tube end Ø 8	
102609	1/4" NPT - custom. to 1000 mm	incl. adapter tube end Ø 8	

HEB MiniPlug 3 metric-inch - Overview



Sets

	Distribution cyl.	3-way, burnished	
102440	Inlet G 1/4 and Ø 8 mm	incl. adapter, screw joint and 3 mounted couplings	
	Distribution Block universal	5-way, burnished	
103529	Inlet G 1/4 and Ø 8 mm, Outlet G1/8	incl. adapter, screw joint, 3 plugs and 2 mounted couplings	
103530	Inlet G 1/4 and Ø 8 mm, Outlet 1/8" NPT	incl. adapter, screw joint, 3 plugs and 2 mounted couplings	
	Starter-Set Universal	2x Coupling straight, 1x Coupling angled, 2x Hose set straight, 1x Hose set angled & Nozzy nozzle with steel tube	
102939	G 1/8 thread	2x 101994, 1x 102498, 2x 101991, 1x 101992, 1x 102625	
	Connection Set 4+1	4x Coupling, 4x Hose set straight, 1x angled plug	
102003	G 1/8 thread	4x 101994, 4x 101991, 1x 102529	
102004	M 10x1thread	4x 101995, 4x 101991, 1x 102529	

HEB MiniPlug 3 metric-inch - Overview



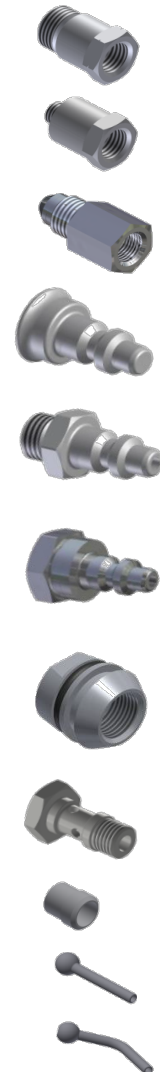
STARter-Set SR-20		5x Coupling, 2x Hose set straight, 2x Hose set angled, 1x angled plug, 1x Distribution Block A, 1x Distributionblock B, 1x Feed line
102214	G thread version for Star SR-20 J/JN/R/III	5x 101994, 2x 101991, 2x 101992, 1x 102529 1x 101990, 1x 101997, 1x 101961
STARter-Set SR-32		4x Coupling, 2x Hose set straight, 1x Hose set angled, 1x angled plug, 1x Distribution Block A, 1x Distribution Block B, 1x Feed line
102215	G thread version for Star SR-32 J/JN	4x 101994, 2x 101991, 1x 101992, 1x 102529 1x 101990, 1x 101997, 1x 101961
STARter-Set SB-16/20		4x Coupling, 2x Hose set straight, 1x Hose set angled, 1x angled plug, 1x Distribution Block B
102216	G thread version for Star SB-16 and SB-20	4x 101994, 2x 101991, 1x 101992, 1x 102529 1x 101997
STARter-Set SW-20		6x Coupling, 4x Hose set straight, 1x Hose set angled, 1x angled plug, 1x Distribution Block B, 1x Feed line
102217	G thread version for Star SW-20	6x 101994, 4x 101991, 1x 101992, 1x 102529 1x 101997, 1x 101961

HEB MiniPlug 3 metric-inch - Overview



Adapter and Connectors

101980	M 8x1 female to G 1/8 male
101979	M 8x1 female to M 10x1 male
102006	M 8x1 female to M 8x1 male
102585	M 8x1 female to M 8x1 male Ø9,5
102915	M 8x1 female to M 12 male
102188	M 8x1 female to 1/8" NPT male
102435	M 8x1 female to M5 male
102434	M 8x1 female to M6 male
102864	M 8x1 female to M8 male
103765	M 8x1 female to UNJF5/16-24 male
103766	M 8x1 female to UNJF7/16-20 male
102914	G1/8 female to UNF7/16-20 male
102292	G1/8 female to G1/4 male
102292	G1/8 female to G1/4 male
101919	Seal plug
102042	M 8x1 female to MiniPlug-jack
102601	M 5 female to MiniPlug-jack
102683	M 8x1 male to MiniPlug-jack
101918	G1/8 female to MiniPlug-jack (anti-turn)
102685	NPT 1/8 female to MiniPlug-jack
102602	NPT 1/4 female to MiniPlug-jack
102913	UNF 7/16 female to MiniPlug-jack
101978	Banjo Bolt M8x1 male
103767	Banjo Bolt UNJF5/16-24 male
102928	Collet ER16 to G1/8 female
102751	Cutting Ring Ø4 mm
102083	Ball type nozzle Nozzy straight Ø1,2mm
102305	Ball type nozzle Nozzy straight Ø1,7mm
102212	Ball type nozzle Nozzy curved Ø1,2mm
102308	Ball type nozzle Nozzy curved Ø1,7mm



G thread = ISO 228-1

all rights reserved

