

Convertible Drill Holder

刀片材质介绍

Item	Code	Illustrate
1	NTX	Suitable for processing steel, cast iron, stainless steel, titanium alloy, nickel-based materials, and other superalloys, more suitable to process hardness HRC30-55, high-speed processing, NTX coating has high oxidation, high red hardness and high thermal stability ; 主要是适合加工钢, 铸铁, 不锈钢, 钛合金, 镍基材料, 等高温合金, 加工硬度在HRC30-55比较适合, 高速加工, NTX涂层有氧化性, 高红硬性和高热稳定性 ;
2	NPK	Mainly for ordinary steel, free cutting steel, cast iron, non-ferrous metal, stainless steel ; 主要是普通钢, 易切削钢, 铸铁, 有色金属, 不锈钢 ;
3	NMP	Mainly for hardened steel, stainless steel, titanium alloy, and other difficult-to-process materials, suitable for processing HRC50-70 high hardness materials, high-speed cutting ; 主要淬火钢, 不锈钢, 钛合金, 等难加工材料, 适合加工HRC50-70高硬度材料, 高速切削 ;

Drill pipe introduction

钻杆介绍

Diameter from D9.5 - D114.0;
直径从D9.5 - D114.0;

High performance drill pipe and bit with high efficiency, high feed processing;
高性能钻杆、钻头能高效率高进给加工;

Drills pipe of helix and straight groove, taper shank and straight shank, can process holes of different depths;
钻杆螺旋和直槽, 锥柄和直柄, 可加工不同深度的孔;

The tool holder surface after treatment by Nickel can improve the service life and wear resistance;
刀杆表面经过镍处理有效提高刀杆寿命、和提高耐磨程度;

Type description of tools holder

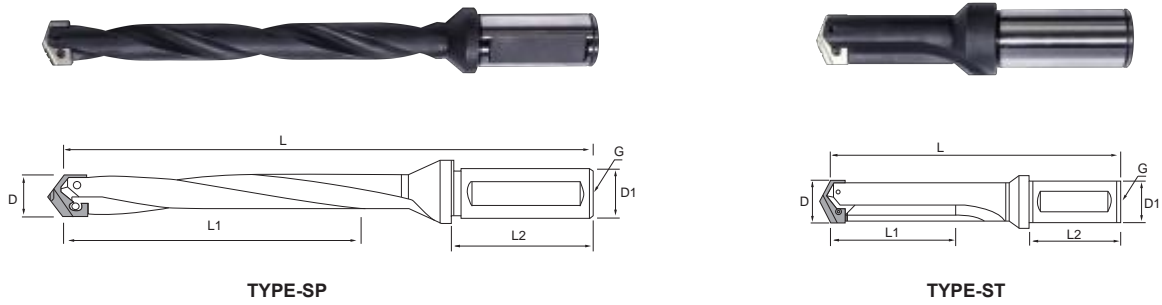
刀杆编码型号说明

1		2		3		4	
SP	spiral	1010	9.5-11.0	Flutes	32mm	SD20	D20
ST	Straight groove	1011	11.1-12.7			MT2	MT2
		1012	12.8-17.5				
		1013	17.6-24.0				
		1014	24.1-35.0				
		1015	35.1-47.6				
		1016	47.7-65.0				
		1017	65.1-76.2				
		1018	76.3-88.9				
		1019	89.0-101.6				
		1020	101.7-114.0				



Convertible Straight Shank Drill bit

可换式直柄铲钻刀杆



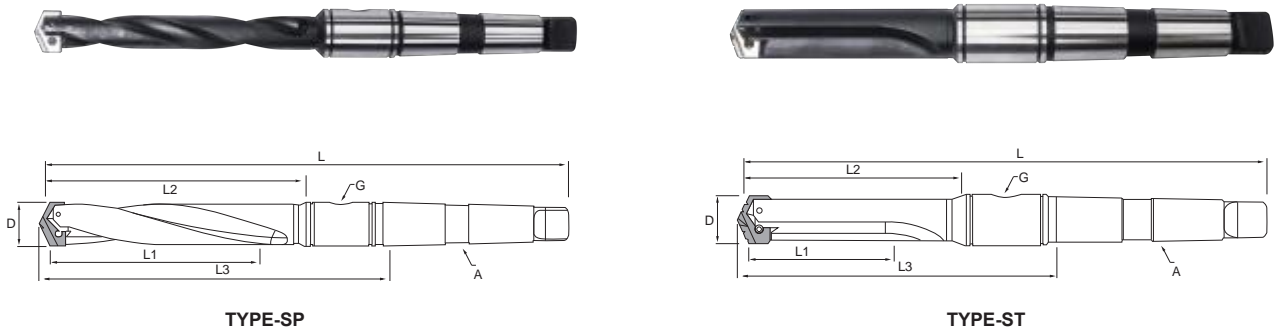
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1010.019.ZD16	SP1010.019.ZD16	9.50-11.0	19.0	48.0	96.0	16.0	1/8	LD047	BS018
ST1010.032.ZD20	SP1010.032.ZD20	9.50-11.0	32.0	50.0	111.0	20.0	1/8	LD047	BS018
ST1010.060.ZD20	SP1010.060.ZD20	9.50-11.0	60.0	50.0	189.0	20.0	1/8	LD047	BS018
ST1010.111.ZD20	SP1010.111.ZD20	9.50-11.0	111.0	50.0	240.0	20.0	1/8	LD047	BS018
ST1010.222.ZD20	SP1010.222.ZD20	9.50-11.0	222.0	50.0	310.0	20.0	1/8	LD047	BS018
ST1010.290.ZD20	SP1010.290.ZD16	9.50-11.0	290.0	50.0	370.0	20.0	1/8	LD047	BS018

Convertible Taper shank Drill bit

可换式锥柄铲钻刀杆



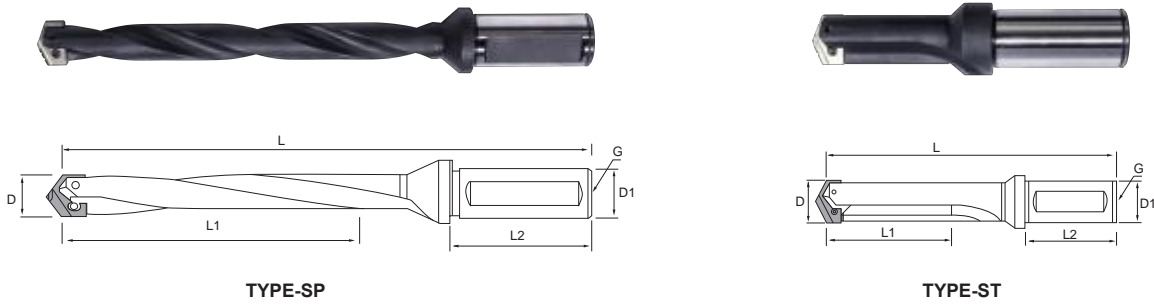
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1010.032.MT20	SP1010.032.MT20	9.50-11.0	32.0	52.0	88.0	160.0	MT2	1/16	SH-1905R	LD047	BS018
ST1010.060.MT20	SP1010.060.MT20	9.50-11.0	60.0	80.0	117.0	189.0	MT2	1/16	SH-1905R	LD047	BS018
ST1010.111.MT20	SP1010.111.MT20	9.50-11.0	111.0	140.0	168.0	240.0	MT2	1/16	SH-1905R	LD047	BS018

Convertible Straight Shank Drill bit

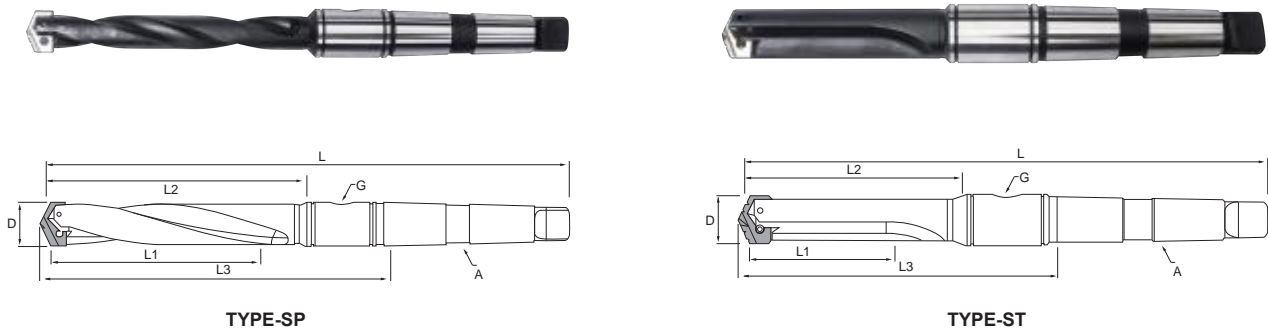
可换式直柄铲钻刀杆



Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1011.019.ZD16	SP1011.019.ZD16	11.50-12.5	19.0	48.0	96.0	16.0	1/8	LD048	BS018
ST1011.032.ZD20	SP1011.032.ZD20	11.50-12.5	32.0	50.0	111.0	20.0	1/8	LD048	BS018
ST1011.060.ZD20	SP1011.060.ZD20	11.50-12.5	60.0	50.0	189.0	20.0	1/8	LD048	BS018
ST1011.111.ZD20	SP1011.111.ZD20	11.50-12.5	111.0	50.0	240.0	20.0	1/8	LD048	BS018
ST1011.222.ZD20	SP1011.222.ZD20	11.50-12.5	222.0	50.0	310.0	20.0	1/8	LD048	BS018
ST1011.290.ZD20	SP1011.290.ZD20	11.50-12.5	290.0	50.0	370.0	20.0	1/8	LD048	BS018

Convertible Taper shank Drill bit

可换式锥柄铲钻刀杆

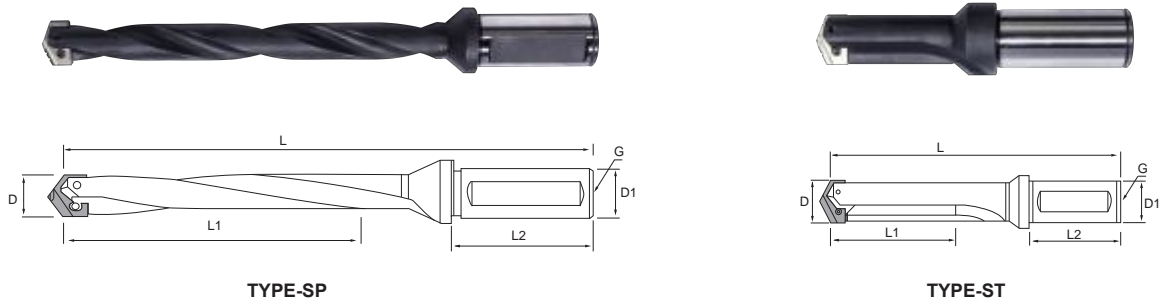


Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1011.032.MT20	SP1011.032.MT20	11.50-12.5	32.0	52.0	88.0	160.0	MT2	1/16	SH-1905R	LD048	BS018
ST1011.060.MT20	SP1011.060.MT20	11.50-12.5	60.0	80.0	117.0	189.0	MT2	1/16	SH-1905R	LD048	BS018
ST1011.111.MT20	SP1011.111.MT20	11.50-12.5	111.0	130.0	168.0	240.0	MT2	1/16	SH-1905R	LD048	BS018



Convertible Straight Shank Drill bit

可换式直柄铲钻刀杆



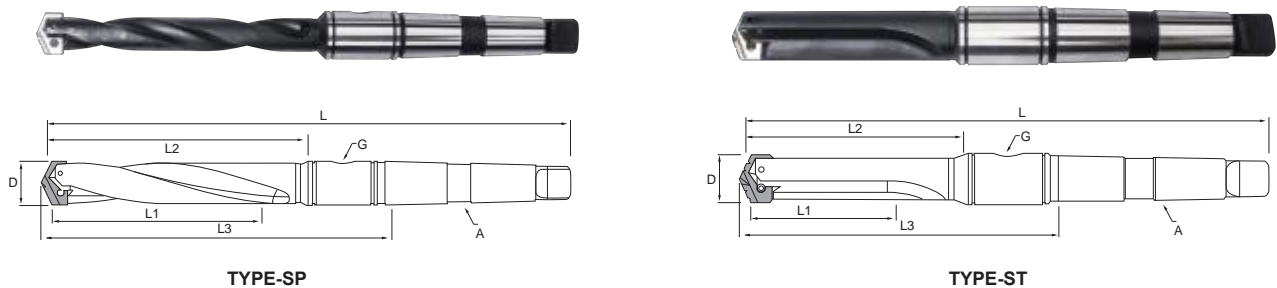
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1012.022.ZD16	SP1012.022.ZD16	12.8-17.5	22.0	50.0	98.0	20.0	1/8	LD046	BS017
ST1012.035.ZD20	SP1012.035.ZD20	12.8-17.5	35.0	50.0	114.0	20.0	1/8	LD046	BS017
ST1012.064.ZD20	SP1012.064.ZD20	12.8-17.5	64.0	50.0	193.0	20.0	1/8	LD046	BS017
ST1012.114.ZD20	SP1012.114.ZD20	12.8-17.5	114.0	50.0	244.0	20.0	1/8	LD046	BS017
ST1012.178.ZD20	SP1012.178.ZD20	12.8-17.5	178.0	50.0	257.0	20.0	1/8	LD046	BS017
ST1012.295.ZD20	SP1012.295.ZD20	12.8-17.5	295.0	50.0	374.0	20.0	1/8	LD046	BS017
ST1012.387.ZD20	SP1012.387.ZD20	12.8-17.5	387.0	50.0	466.0	20.0	1/8	LD046	BS017

Convertible Taper shank Drill bit

可换式锥柄铲钻刀杆



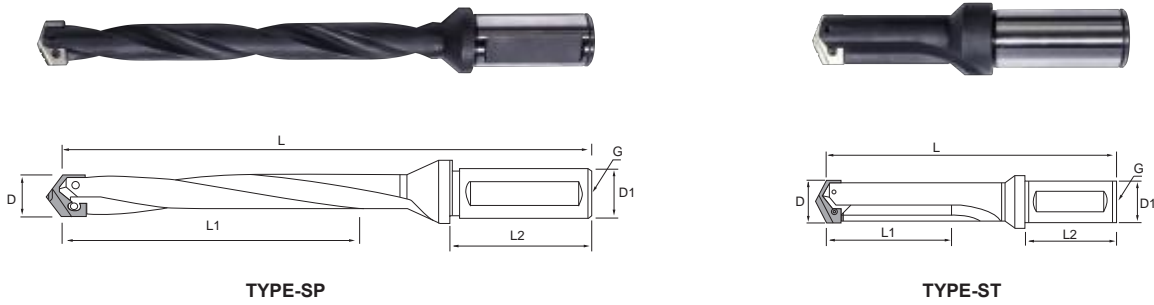
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1012.035.MT20	SP1012.035.MT20	12.8-17.5	35.0	56.0	92.0	164.0	MT2	1/16	SH-1905R	LD046	BS017
ST1012.064.MT20	SP1012.064.MT20	12.8-17.5	64.0	84.0	121.0	193.0	MT2	1/16	SH-1905R	LD046	BS017
ST1012.114.MT20	SP1012.114.MT20	12.8-17.5	114.0	135.0	172.0	248.0	MT2	1/16	SH-1905R	LD046	BS017
ST1012.178.MT20	SP1012.178.MT20	12.8-17.5	178.0	199.0	235.0	307.0	MT2	1/16	SH-1905R	LD046	BS017

Convertible Straight Shank Drill bit

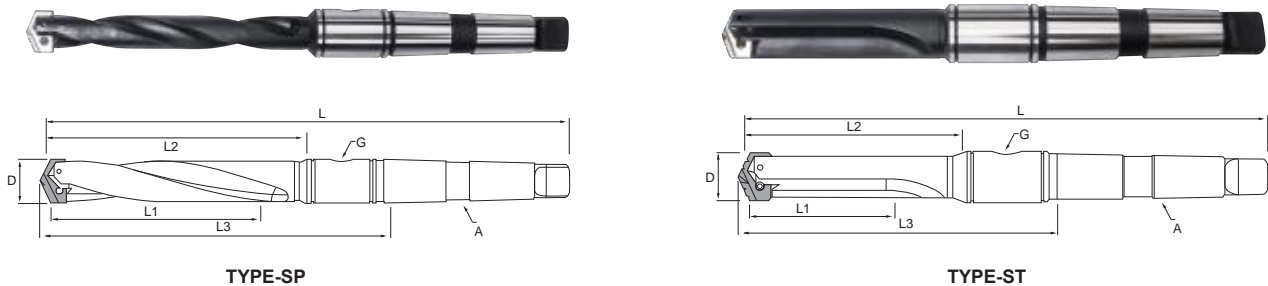
可换式直柄铲钻刀杆



Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1013.048.ZD25	SP1013.048.ZD25	17.6-24.0	48.0	56.0	132.0	25.0	1/8	LD049	BS016
ST1013.067.ZD25	SP1013.067.ZD25	17.6-24.0	67.0	56.0	163.0	25.0	1/8	LD049	BS016
ST1013.121.ZD25	SP1013.121.ZD25	17.6-24.0	121.0	56.0	283.0	25.0	1/8	LD049	BS016
ST1013.172.ZD25	SP1013.172.ZD25	17.6-24.0	172.0	56.0	334.0	25.0	1/8	LD049	BS016
ST1013.273.ZD25	SP1013.273.ZD25	17.6-24.0	273.0	56.0	436.0	25.0	1/8	LD049	BS016
ST1013.457.ZD25	SP1013.457.ZD25	17.6-24.0	457.0	56.0	551.0	25.0	1/8	LD049	BS016
ST1013.569.ZD25	SP1013.569.ZD25	17.6-24.0	569.0	56.0	659.0	25.0	1/8	LD049	BS016

Convertible Taper shank Drill bit

可换式锥柄铲钻刀杆

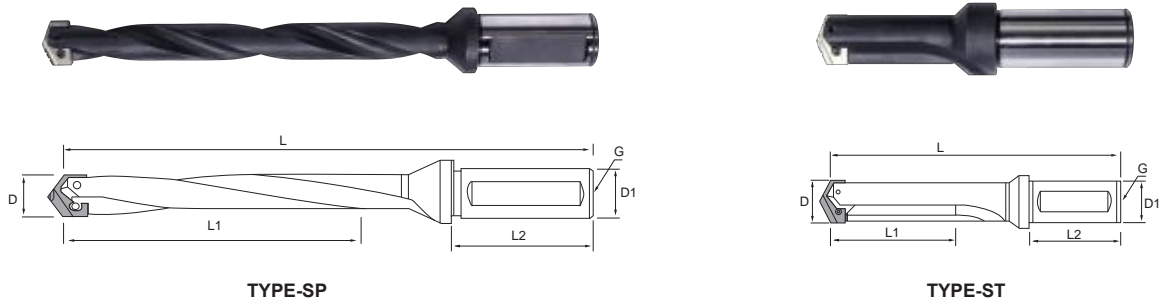


Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1013.070.MT30	SP1013.070.MT30	17.6-24.0	70.0	98.0	143.0	233.0	MT3	1/8	SH-2540R	LD049	BS016
ST1013.121.MT30	SP1013.121.MT30	17.6-24.0	121.0	150.0	193.0	283.0	MT3	1/8	SH-2540R	LD049	BS016
ST1013.172.MT30	SP1013.172.MT30	17.6-24.0	172.0	200.0	244.0	334.0	MT3	1/8	SH-2540R	LD049	BS016
ST1013.273.MT30	SP1013.273.MT30	17.6-24.0	273.0	302.0	346.0	436.0	MT3	1/8	SH-2540R	LD049	BS016



Convertible Straight Shank Drill bit

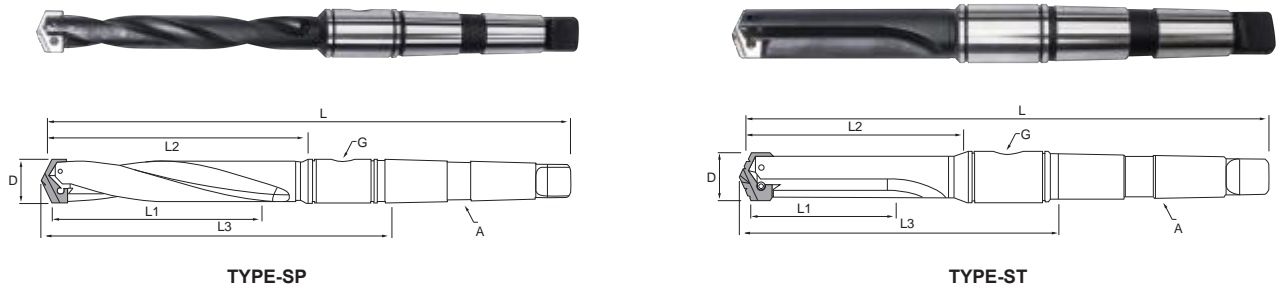
可换式直柄铲钻刀杆



Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1014.057.ZD32	SP1014.057.ZD32	24.1-35.0	57.0	60.0	149.0	32.0	1/4	LD045	BS020
ST1014.086.ZD32	SP1014.086.ZD32	24.1-35.0	86.0	60.0	189.0	32.0	1/4	LD045	BS020
ST1014.137.ZD32	SP1014.137.ZD32	24.1-35.0	137.0	60.0	332.0	32.0	1/4	LD045	BS020
ST1014.187.ZD32	SP1014.187.ZD32	24.1-35.0	187.0	60.0	383.0	32.0	1/4	LD045	BS020
ST1014.289.ZD32	SP1014.289.ZD32	24.1-35.0	289.0	60.0	484.0	32.0	1/4	LD045	BS020
ST1014.511.ZD32	SP1014.511.ZD32	24.1-35.0	511.0	60.0	614.0	32.0	1/4	LD045	BS020
ST1014.692.ZD32	SP1014.692.ZD32	24.1-35.0	692.0	60.0	795.0	32.0	1/4	LD045	BS020

Convertible Taper shank Drill bit

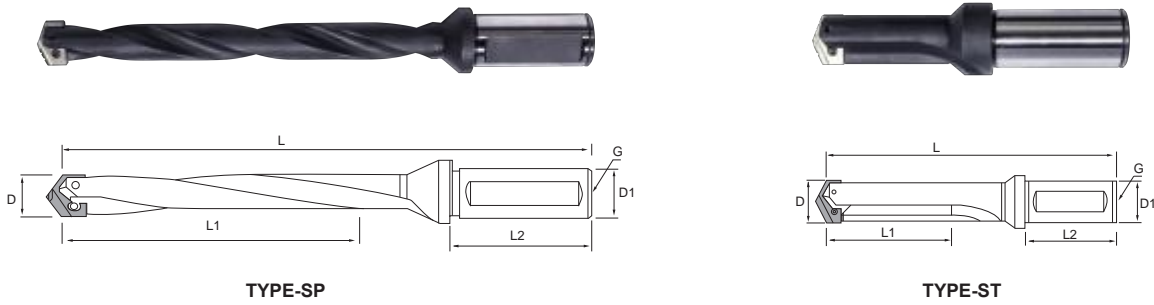
可换式锥柄铲钻刀杆



Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1014.086.MT40	SP1014.086.MT40	24.1-35.0	86.0	114.0	168.0	281.0	MT4	1/4	SH-3175R	LD045	BS020
ST1014.0137.MT40	SP1014.137.MT40	24.1-35.0	137.0	165.0	218.0	332.0	MT4	1/4	SH-3175R	LD045	BS020
ST1014.187.MT40	SP1014.187.MT40	24.1-35.0	187.0	216.0	269.0	383.0	MT4	1/4	SH-3175R	LD045	BS020
ST1014.289.MT40	SP1014.289.MT40	24.1-35.0	289.0	318.0	371.0	484.0	MT4	1/4	SH-3175R	LD045	BS020

Convertible Straight Shank Drill bit

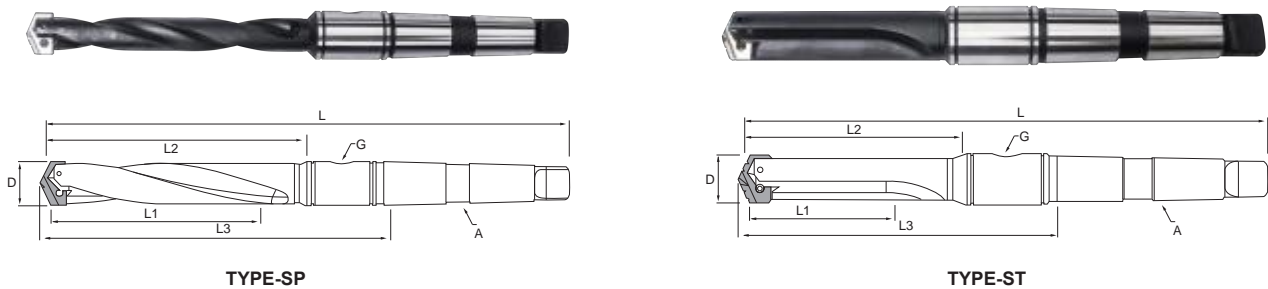
可换式直柄铲钻刀杆



Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1015.076.ZD40	SP1015.076.ZD40	35.1-47.6	76.0	70.0	195.0	40.0	1/4	LD044	BS015
ST1015.121.ZD40	SP1015.121.ZD40	35.1-47.6	121.0	70.0	243.0	40.0	1/4	LD044	BS015
ST1015.165.ZD40	SP1015.165.ZD40	35.1-47.6	165.0	70.0	364.0	40.0	1/4	LD044	BS015
ST1015.187.ZD40	SP1015.187.ZD40	35.1-47.6	187.0	70.0	383.0	40.0	1/4	LD044	BS015
ST1015.210.ZD40	SP1015.210.ZD40	35.1-47.6	210.0	70.0	332.0	40.0	1/4	LD044	BS015
ST1015.289.ZD40	SP1015.289.ZD40	35.1-47.6	289.0	70.0	484.0	40.0	1/4	LD044	BS015
ST1015.349.ZD40	SP1015.349.ZD40	35.1-47.6	349.0	70.0	472.0	40.0	1/4	LD044	BS015
ST1015.559.ZD40	SP1015.559.ZD40	35.1-47.6	559.0	70.0	681.0	40.0	1/4	LD044	BS015
ST1015.787.ZD40	SP1015.787.ZD40	35.1-47.6	787.0	70.0	910.0	40.0	1/4	LD044	BS015

Convertible Taper Shank Drill bit

可换式锥柄铲钻刀杆

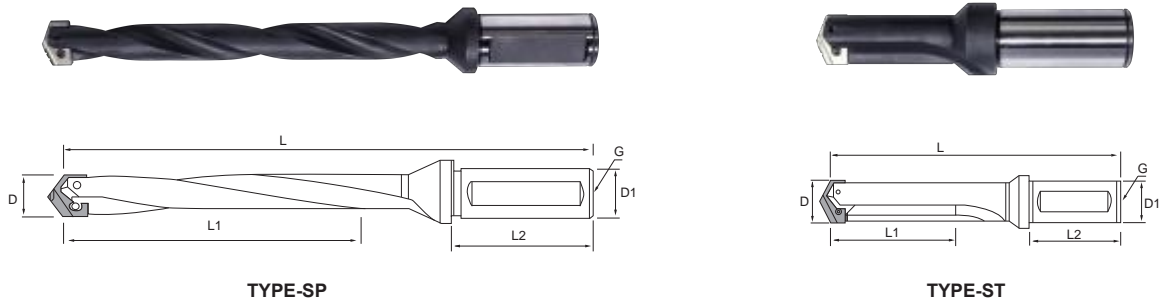


Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1015.086.MT40	SP1015.086.MT40	35.1-47.6	121.0	152.0	206.0	319.0	MT4	1/4	SH-3175R	LD044	BS015
ST1015.165.MT40	SP1015.165.MT40	35.1-47.6	165.0	197.0	251.0	364.0	MT4	1/4	SH-3175R	LD044	BS015
ST1015.187.MT40	SP1015.187.MT40	35.1-47.6	187.0	216.0	269.0	383.0	MT4	1/4	SH-3175R	LD044	BS015
ST1015.289.MT40	SP1015.289.MT40	35.1-47.6	289.0	318.0	371.0	484.0	MT4	1/4	SH-3175R	LD044	BS015
ST1015.349.MT40	SP1015.349.MT40	35.1-47.6	349.0	381.0	435.0	548.0	MT4	1/4	SH-3175R	LD044	BS015
ST1015.559.MT40	SP1015.559.MT40	35.1-47.6	559.0	591.0	645.0	757.0	MT4	1/4	SH-3175R	LD044	BS015
ST1015.787.MT40	SP1015.787.MT40	35.1-47.6	787.0	819.0	873.0	986.0	MT4	1/4	SH-3175R	LD044	BS015



Convertible Straight Shank Drill bit

可换式直柄铲钻刀杆



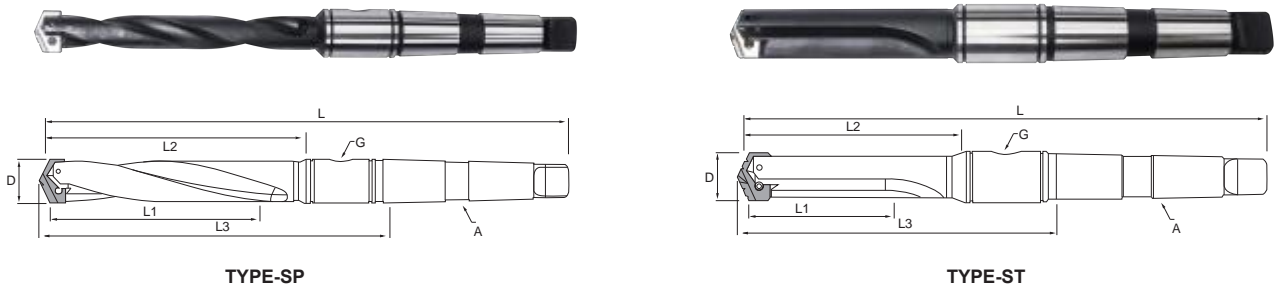
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1016.130.ZD40	SP1016.130.ZD40	47.7-65.0	130.0	70.0	249.0	40.0	1/4	LD044	BS015
ST1016.232.ZD40	SP1016.232.ZD40	47.7-65.0	232.0	70.0	351.0	40.0	1/4	LD044	BS015
ST1016.422.ZD40	SP1016.422.ZD40	47.7-65.0	422.0	70.0	542.0	40.0	1/4	LD044	BS015
ST1016.625.ZD40	SP1016.625.ZD40	47.7-65.0	625.0	70.0	680.0	40.0	1/4	LD044	BS015
ST1016.879.ZD40	SP1016.879.ZD40	47.7-65.0	879.0	70.0	999.0	40.0	1/4	LD044	BS015

Convertible Mohs shank Drill bit

可换式锥柄铲钻刀杆



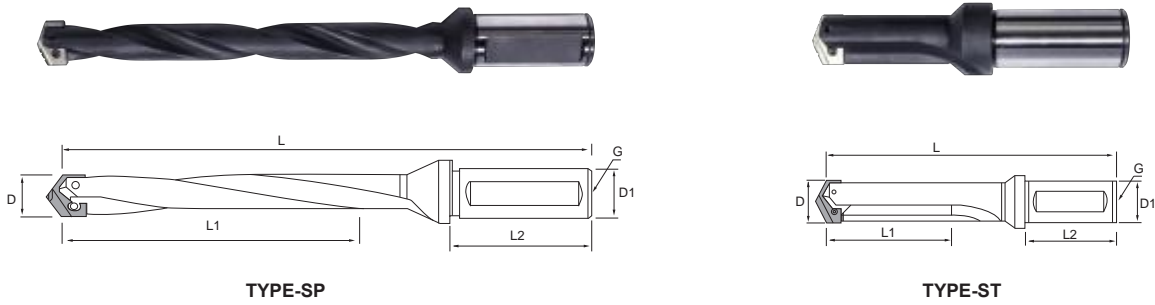
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1016.130.MT50	SP1016.130.MT50	47.7-65.0	130.0	165.0	219.0	364.0	MT5	1/4	SH-4445R	LD044	BS015
ST1016.232.MT50	SP1016.232.MT50	47.7-65.0	232.0	267.0	321.0	465.0	MT5	1/4	SH-4445R	LD044	BS015
ST1016.422.MT50	SP1016.422.MT50	47.7-65.0	422.0	457.0	511.0	565.0	MT5	1/4	SH-4445R	LD044	BS015
ST1016.625.MT50	SP1016.625.MT50	47.7-65.0	625.0	660.0	714.0	586.0	MT5	1/4	SH-4445R	LD044	BS015
ST1016.914.MT50	SP1016.914.MT50	47.7-65.0	879.0	914.0	968.0	1113.0	MT5	1/4	SH-4445R	LD044	BS015

Convertible Straight Shank Drill bit

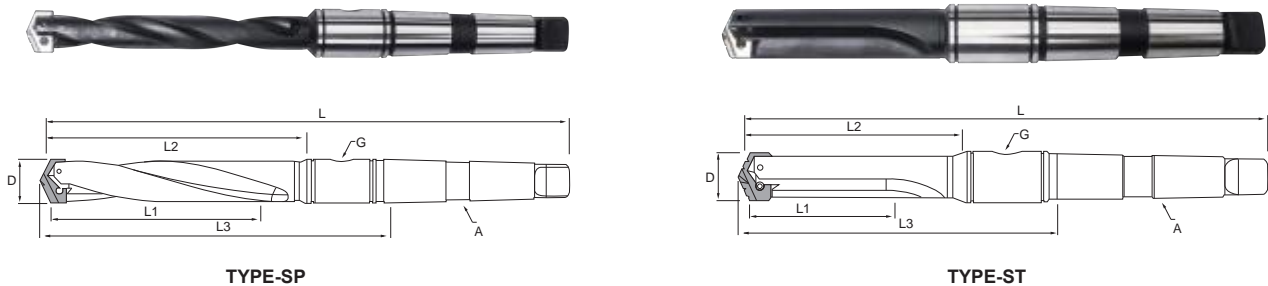
可换式直柄铲钻刀杆



Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1017.171.ZD50	SP1017.171.ZD50	65.1-76.2	171.0	80.0	315.0	50.0	1/2	LD044	BS015
ST1017.273.ZD50	SP1017.273.ZD50	65.1-76.2	273.0	80.0	532.0	50.0	1/2	LD044	BS015
ST1017.350.ZD50	SP1017.350.ZD50	65.1-76.2	350.0	80.0	494.0	50.0	1/2	LD044	BS015
ST1017.464.ZD50	SP1017.464.ZD50	65.1-76.2	464.0	80.0	579.0	50.0	1/2	LD044	BS015
ST1017.660.ZD50	SP1017.660.ZD50	65.1-76.2	660.0	80.0	804.0	50.0	1/2	LD044	BS015
ST1018.889.ZD50	SP1018.889.ZD50	76.3-88.9	889.0	80.0	1148.0	50.0	1/2	LD044	BS015

Convertible Taper shank Drill bit

可换式锥柄铲钻刀杆

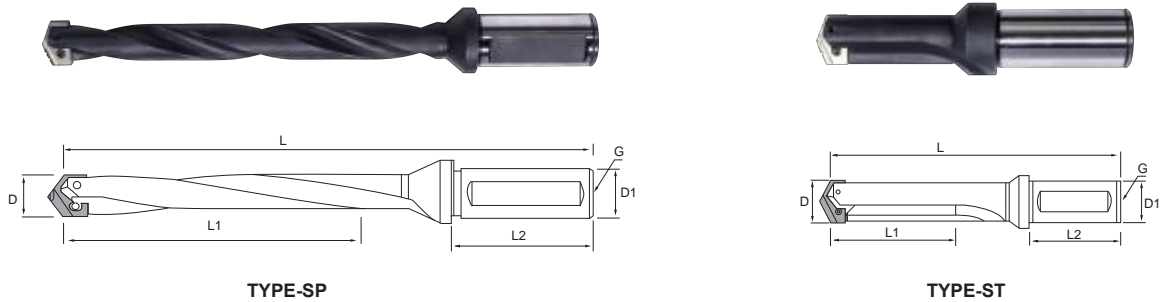


Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1017.172.MT50	SP1017.172.MT50	65.1-76.2	172.0	216.0	287.0	430.0	MT5	1/2	SH-5715R	LD043	BS019
ST1017.273.MT50	SP1017.273.MT50	65.1-76.2	273.0	318.0	389.0	532.0	MT5	1/2	SH-5715R	LD043	BS019
ST1017.464.MT50	SP1017.464.MT50	65.1-76.2	464.0	508.0	579.0	722.0	MT5	1/2	SH-5715R	LD043	BS019
ST1017.660.MT50	SP1017.660.MT50	65.1-76.2	660.0	705.0	776.0	919.0	MT5	1/2	SH-5715R	LD043	BS019
ST1017.889.MT50	SP1017.889.MT50	65.1-76.2	889.0	933.0	1004.0	1148.0	MT5	1/2	SH-5715R	LD043	BS019



Convertible Straight Shank Drill bit

可换式直柄铲钻刀杆



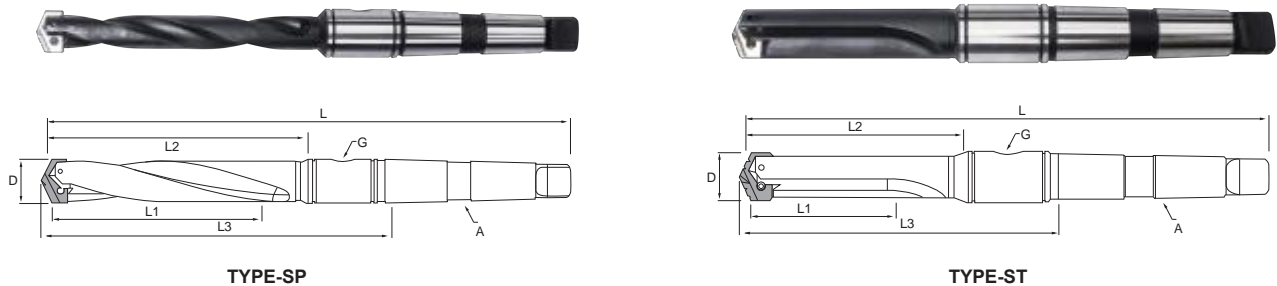
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1018.171.ZD50	SP1018.171.ZD50	76.3-88.9	171.0	80.0	315.0	50.0	1/2	LD043	BS019
ST1018.273.ZD50	SP1018.273.ZD50	76.3-88.9	273.0	80.0	532.0	50.0	1/2	LD043	BS019
ST1018.350.ZD50	SP1018.350.ZD50	76.3-88.9	350.0	80.0	494.0	50.0	1/2	LD043	BS019
ST1018.464.ZD50	SP1018.464.ZD50	76.3-88.9	464.0	80.0	579.0	50.0	1/2	LD043	BS019
ST1018.660.ZD50	SP1018.660.ZD50	76.3-88.9	660.0	80.0	804.0	50.0	1/2	LD043	BS019
ST1018.889.ZD50	SP1018.889.ZD50	76.3-88.9	889.0	80.0	1148.0	50.0	1/2	LD043	BS019

Convertible Mohs shank Drill bit

可换式锥柄铲钻刀杆



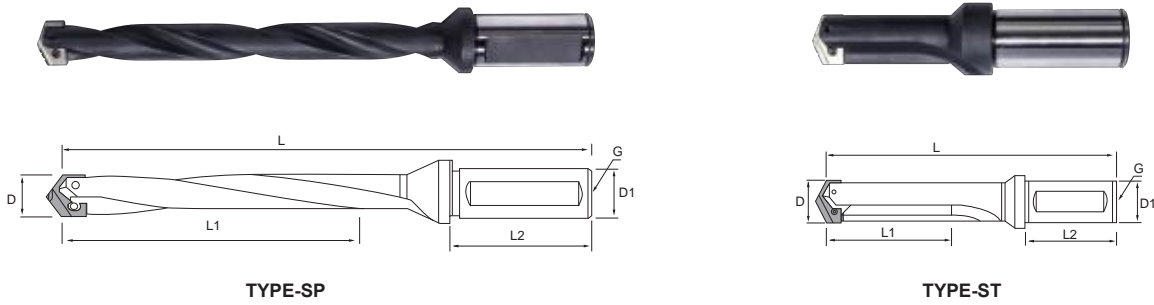
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1018.172.MT50	SP1018.172.MT50	76.3-88.9	172.0	216.0	287.0	430.0	MT5	1/2	SH-5715R	LD043	BS019
ST1018.273.MT50	SP1018.273.MT50	76.3-88.9	273.0	318.0	389.0	532.0	MT5	1/2	SH-5715R	LD043	BS019
ST1018.464.MT50	SP1018.464.MT50	76.3-88.9	464.0	508.0	579.0	722.0	MT5	1/2	SH-5715R	LD043	BS019
ST1018.660.MT50	SP1018.660.MT50	76.3-88.9	660.0	705.0	776.0	919.0	MT5	1/2	SH-5715R	LD043	BS019
ST1018.889.MT50	SP1018.889.MT50	76.3-88.9	889.0	933.0	1004.0	1148.0	MT5	1/2	SH-5715R	LD043	BS019

Convertible Straight Shank Drill bit

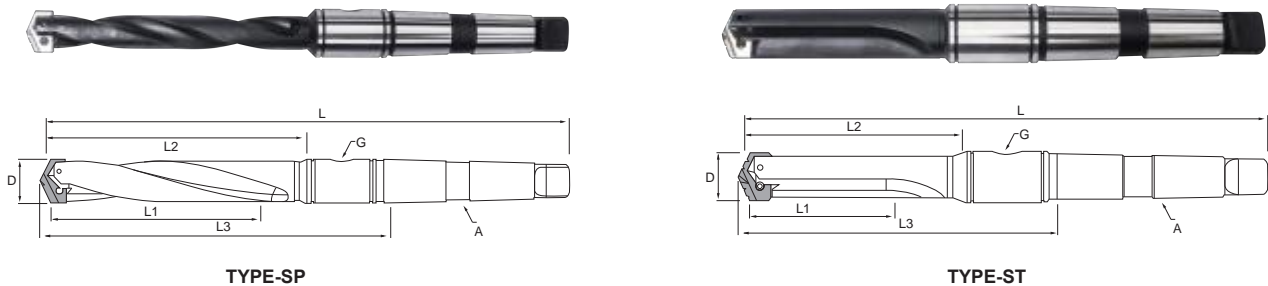
可换式直柄铲钻刀杆



Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1019.172.ZD50	SP1019.172.ZD50	89.0-101.6	172.0	80.0	440.0	50.0	1/2	LD043	BS019
ST1019.200.ZD50	SP1019.200.ZD50	89.0-101.6	200.0	80.0	355.0	50.0	1/2	LD043	BS019
ST1019.273.ZD50	SP1019.273.ZD50	89.0-101.6	273.0	80.0	541.0	50.0	1/2	LD043	BS019
ST1019.400.ZD50	SP1019.400.ZD50	89.0-101.6	400.0	80.0	555.0	50.0	1/2	LD043	BS019
ST1019.556.ZD50	SP1019.556.ZD50	89.0-101.6	556.0	80.0	824.0	50.0	1/2	LD043	BS019
ST1019.685.ZD50	SP1019.685.ZD50	89.0-101.6	685.0	80.0	954.0	50.0	1/2	LD043	BS019
ST1019.800.ZD50	SP1019.800.ZD50	89.0-101.6	800.0	80.0	955.0	50.0	1/2	LD043	BS019
ST1019.939.ZD50	SP1019.939.ZD50	89.0-101.6	939.0	80.0	1208.0	50.0	1/2	LD043	BS019

Convertible Taper shank Drill bit

可换式锥柄铲钻刀杆

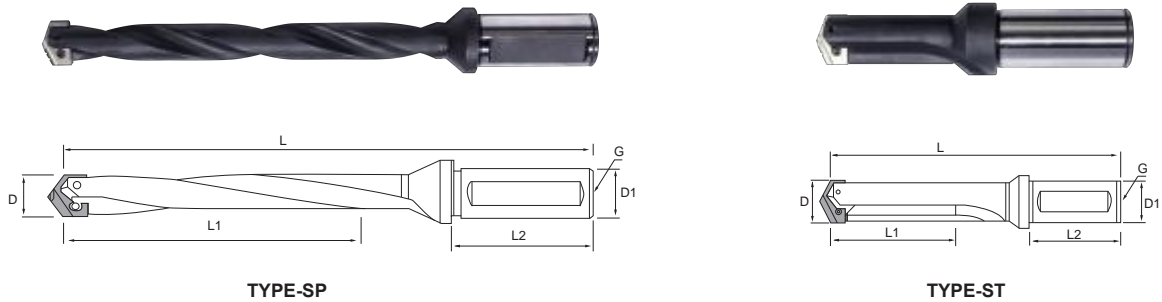


Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1019.172.MT50	SP1019.172.MT50	89.0-101.6	172.0	225.0	297.0	440.0	MT5	1/2	SH-5715R	LD043	BS019
ST1019.273.MT50	SP1019.273.MT50	89.0-101.6	273.0	327.0	399.0	541.0	MT5	1/2	SH-5715R	LD043	BS019
ST1019.556.MT50	SP1019.556.MT50	89.0-101.6	556.0	610.0	681.0	824.0	MT5	1/2	SH-5715R	LD043	BS019
ST1019.685.MT50	SP1019.685.MT50	89.0-101.6	685.0	740.0	811.0	954.0	MT5	1/2	SH-5715R	LD043	BS019
ST1019.939.MT50	SP1019.939.MT50	89.0-101.6	939.0	994.0	1065.0	1208.0	MT5	1/2	SH-5715R	LD043	BS019



Convertible Straight Shank Drill bit

可换式直柄铲钻刀杆



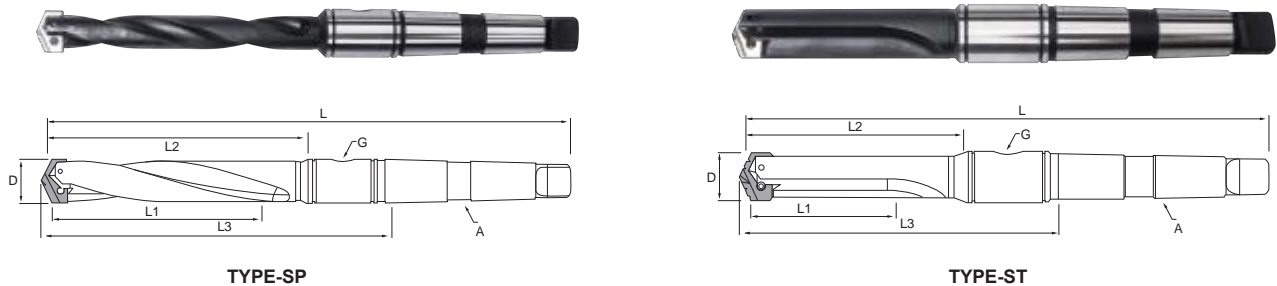
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L mm	D1 mm	G	Screw	Spanner
ST1020.172.ZD50	SP1020.172.ZD50	89.0-101.6	172.0	80.0	440.0	50.0	1/2	LD043	BS019
ST1020.200.ZD50	SP1020.200.ZD50	89.0-101.6	200.0	80.0	355.0	50.0	1/2	LD043	BS019
ST1020.273.ZD50	SP1020.273.ZD50	89.0-101.6	273.0	80.0	541.0	50.0	1/2	LD043	BS019
ST1020.400.ZD50	SP1020.400.ZD50	89.0-101.6	400.0	80.0	555.0	50.0	1/2	LD043	BS019
ST1020.556.ZD50	SP1020.556.ZD50	89.0-101.6	556.0	80.0	824.0	50.0	1/2	LD043	BS019
ST1020.685.ZD50	SP1020.685.ZD50	89.0-101.6	685.0	80.0	954.0	50.0	1/2	LD043	BS019
ST1020.800.ZD50	SP1020.800.ZD50	89.0-101.6	800.0	80.0	955.0	50.0	1/2	LD043	BS019
ST1020.939.ZD50	SP1020.939.ZD50	89.0-101.6	939.0	80.0	1208.0	50.0	1/2	LD043	BS019

Convertible Mohs shank Drill bit

可换式锥柄铲钻刀杆



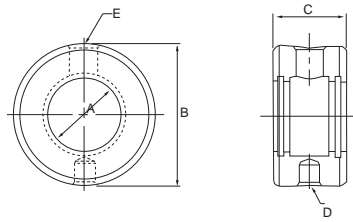
TYPE-SP

TYPE-ST

Straight slot order No	Spiral groove order No	D mm	L1 mm	L2 mm	L3 mm	L mm	A	G	Cooling ring	Screw	Spanner
ST1020.172.MT50	SP1020.172.MT50	101.7-114.0	172.0	225.0	297.0	440.0	MT5	1/2	SH-5715R	LD043	BS019
ST1020.273.MT50	SP1020.273.MT50	101.7-114.0	273.0	327.0	399.0	541.0	MT5	1/2	SH-5715R	LD043	BS019
ST1020.556.MT50	SP1020.556.MT50	101.7-114.0	556.0	610.0	681.0	824.0	MT5	1/2	SH-5715R	LD043	BS019
ST1020.685.MT50	SP1020.685.MT50	101.7-114.0	685.0	740.0	811.0	954.0	MT5	1/2	SH-5715R	LD043	BS019
ST1020.939.MT50	SP1020.939.MT50	101.7-114.0	939.0	994.0	1065.0	1208.0	MT5	1/2	SH-5715R	LD043	BS019

Oil Ring

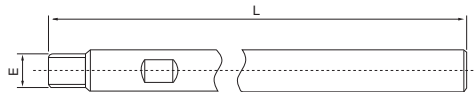
油环



Type	A	B	C	D	E	o-ring
	inside diameter	outside diameter	thickness	driving rod thread	colling nozzle thread	
MT-1905R	19.05	44.45	22.23	M8*1.25	1/8	MF028
MT-2540R	25.4	53.97	28.57	M10*1.25	1/8	MF030
MT-3175R	31.75	63.5	34.92	M10*1.5	1/4	MF026
MT-4445R	44.45	76.20	34.92	M12*1.5	1/4	MF027
MT-5175R	57.15	95.27	44.45	M12*1.75	1/2	MF029

Drive rod

传动杆



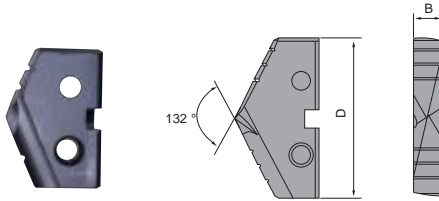
Straight slot order No	Spiral groove order No	D mm	L1 mm
CD-08125	M8*1.25	250	MT-1905R
CD-10125	M10*1.25	250	MT-2540R
CD-10150	M10*1.5	250	MT-3175R
CD-12150	M12*1.5	250	MT-4445R
CD-12175	M12*1.75	250	MT-5175R



Convertible Drill

可换式铲钻

Processing graphics



Adopt high - quality powder metallurgical high - speed steel, different kinds of special coatings, to satisfy different processing materials.
采用优质粉末冶金高速钢，多种特殊涂层，满足不同的加工材料。

Life of the drill is more than 4 times as long as other ordinary drill bit, and the efficiency is more than 2 times.
寿命是普通的钻头4倍以上，效率2倍以上

It has good cutting function which improves the stable of drills.
有良好的断屑功能，提高钻孔的稳定性

With new cutting edge which could reduce cutting resistance greatly.
采用新型的刃口，大大降低切削阻力

Order demonstration:
A30.0095.NTX

P	●	●	○
M	●	○	●
K	●	●	○
N	●	○	○
H	○	○	●
S	○	○	●

Order No	Drills Holder	D mm	B mm	NTX	NPK	NMP
A30.0095	1019	9.50	2.38	●	●	●
A30.0098	1019	9.80	2.38	●	●	●
A30.0100	1019	10.00	2.38	●	●	●
A30.0102	1019	10.20	2.38	●	●	●
A30.0105	1019	10.50	2.38	●	●	●
A30.0108	1019	10.80	2.38	●	●	●
A30.0110	1019	11.00	2.38	●	●	●
A30.0115	1011	11.50	2.38	●	●	●
A30.0120	1011	12.00	2.38	●	●	●
A30.0125	1011	12.50	2.38	●	●	●
A30.0130	1012	13.00	3.18	●	●	●
A30.0135	1012	13.50	3.18	●	●	●
A30.0140	1012	14.00	3.18	●	●	●
A30.0145	1012	14.50	3.18	●	●	●
A30.0150	1012	15.00	3.18	●	●	●
A30.0155	1012	15.50	3.18	●	●	●
A30.0160	1012	16.00	3.18	●	●	●
A30.0165	1012	16.50	3.18	●	●	●
A30.0170	1012	17.00	3.18	●	●	●
A30.0175	1012	17.50	3.18	●	●	●
A30.0180	1013	18.00	3.97	●	●	●
A30.0185	1013	18.50	3.97	●	●	●
A30.0190	1013	19.00	3.97	●	●	●
A30.0195	1013	19.50	3.97	●	●	●
A30.0200	1013	20.00	3.97	●	●	●
A30.0220	1013	20.50	3.97	●	●	●

Exchangeable tool rod Series



Convertible Drill

可换式钎钻

Order No	Drills Holder	D mm	B mm	NTX	NPK	NMP
A30.0210	1013	21.00	3.97	•	•	•
A30.0220	1013	22.00	3.97	•	•	•
A30.0230	1013	23.00	3.97	•	•	•
A30.0240	1013	24.00	3.97	•	•	•
A30.0250	1015	25.00	4.76	•	•	•
A30.0260	1015	26.00	4.76	•	•	•
A30.0270	1015	27.00	4.76	•	•	•
A30.0280	1015	28.00	4.76	•	•	•
A30.0290	1015	29.00	4.76	•	•	•
A30.0330	1015	30.00	4.76	•	•	•
A30.0331	1015	31.00	4.76	•	•	•
A30.0332	1015	32.00	4.76	•	•	•
A30.0330	1015	33.00	4.76	•	•	•
A30.0334	1015	34.00	4.76	•	•	•
A30.0335	1015	35.00	4.76	•	•	•
A30.0336	1015	36.00	6.35	•	•	•
A30.0337	1015	37.00	6.35	•	•	•
A30.0338	1015	38.00	6.35	•	•	•
A30.0339	1015	39.00	6.35	•	•	•
A30.0040	1015	40.00	6.35	•	•	•
A30.0041	1015	41.00	6.35	•	•	•
A30.0042	1015	42.00	6.35	•	•	•
A30.0043	1015	43.00	6.35	•	•	•
A30.0044	1015	44.00	6.35	•	•	•
A30.0045	1015	45.00	6.35	•	•	•
A30.0046	1015	46.00	6.35	•	•	•
A30.0047	1015	47.00	6.35	•	•	•
A30.0048	1016	48.00	7.94	•	•	•
A30.0049	1016	49.00	7.94	•	•	•
A30.0050	1016	50.00	7.94	•	•	•
A30.0051	1016	51.00	7.94	•	•	•
A30.0052	1016	52.00	7.94	•	•	•
A30.0053	1016	53.00	7.94	•	•	•
A30.0054	1016	54.00	7.94	•	•	•
A30.0055	1016	55.00	7.94	•	•	•
A30.0056	1016	56.00	7.94	•	•	•
A30.0057	1016	57.00	7.94	•	•	•
A30.0058	1016	58.00	7.94	•	•	•
A30.0059	1016	59.00	7.94	•	•	•
A30.0060	1016	60.00	7.94	•	•	•
A30.0061	1016	61.00	7.94	•	•	•
A30.0062	1016	62.00	7.94	•	•	•
A30.0063	1016	63.00	7.94	•	•	•
A30.0064	1016	64.00	7.94	•	•	•
A30.0065	1016	65.00	7.94	•	•	•
A30.0066	1017	66.00	11.1	•	•	•
A30.0068	1017	68.00	11.1	•	•	•
A30.0070	1017	70.00	11.1	•	•	•

Convertible Drill



Convertible Drill

可换式铲钻

Order No	Drills Holder	D mm	B mm	NTX	NPK	NMP
A30.0072	1017	72.00	11.1	•	•	•
A30.0074	1017	74.00	11.1	•	•	•
A30.0076	1017	76.00	11.1	•	•	•
A30.0077	1018	77.00	11.1	•	•	•
A30.0078	1018	78.00	11.1	•	•	•
A30.0080	1018	80.00	11.1	•	•	•
A30.0082	1018	82.00	11.1	•	•	•
A30.0084	1018	84.00	11.1	•	•	•
A30.0086	1018	86.00	11.1	•	•	•
A30.0088	1018	88.00	11.1	•	•	•
A30.0089	1019	89.00	11.1	•	•	•
A30.0090	1019	90.00	11.1	•	•	•
A30.0092	1019	92.00	11.1	•	•	•
A30.0094	1019	94.00	11.1	•	•	•
A30.0096	1019	96.00	11.1	•	•	•
A30.0098	1019	98.00	11.1	•	•	•
A30.0100	1019	100.00	11.1	•	•	•
A30.0104	1020	104.00	11.1	•	•	•
A30.0106	1020	106.00	11.1	•	•	•
A30.0108	1020	108.00	11.1	•	•	•
A30.0110	1020	110.00	11.1	•	•	•
A30.0112	1020	112.00	11.1	•	•	•
A30.0114	1020	114.00	11.1	•	•	•

Recommended cutting parameters for convertible Spade drill

可换式钻头推荐切削参数

Φ (mm)	Φ9.5-Φ12.5	Φ13-Φ17.5	Φ18-Φ24	Φ25-Φ35	Φ36-Φ47	Φ48-Φ65	Φ66-Φ114
Code groups	A	0.10	0.15	0.17	0.20	0.28	0.40
	B	0.12	0.17	0.20	0.22	0.35	0.45
	C	0.13	0.20	0.25	0.27	0.40	0.55
Feed (mm/rev)	D	0.14	0.25	0.30	0.35	0.45	0.65
	E	0.15	0.30	0.35	0.40	0.50	0.70
	F	0.16	0.33	0.40	0.50	0.59	0.75

Material	JIS	Mpa (N/mm ²)	NPK		NMK		NTX		
			Vc (m/min)	Feed groups	Vc (m/min)	Feed groups	Vc (m/min)	Feed groups	
P	general structural steel	SS330, SM400, SPV450, SG295 SS500, STKM14A, SEV245	≤500 >500-850	55-65	D			50-60	E
	free-machining steel	SUM22L, SUM25, SUM42 SUM41, SUM43	≤850 850-1000	80-90	E			75-85	F
	Non-alloy tempered steel	S20C, S30C S45C, S48C S55C, S58C	≤700 700-850 850-1000	65-75	D			60-70	E
	alloy tempered steel	SCSiMn2, SCr430, SCr435, SMn438 SNC236, SCr440, SCM440, SMnC443	850-≤1000 1000-1200	50-60	C			50-55	D
	quenched and tempered steel	SCr435, SNC815, SMnC415, SCM420	850-≤1000 1000-1200	60-70	C			55-65	D
	Nitriding steel	(34CrA16) SACM645	≥850-≤1000 >1000-1200	40-50	B			40-45	C
	tool steel	SK75, SUJ2, (29CrMoV9) SKD1, SKS31, SKT6	≤850 >850-1000	35-45	B			30-40	C
	high speed steel	SKH51, SKH52, SKH55	≥650-1000	30-40	B			30-35	C
M	stainless steel	SUS416, SUS430, SUS430F, SUS303 SUS304, SUS316Ti, SUS321 SUS431, SUS420J1, SUS444	≤850 ≤850 ≤850			25-35	B	25-30	C
K	Gray cast iron	FC100, FC200 FC250, FC350	850-≤1000 1000-1200	50-60	D	55-65	E	50-60	C
	constant temperature fireball ductile iron	FCAD800(ADI800), FCAD1000(ADI1000), FCAD1200(ADI1200), FCAD1400(ADI1400)	800-1000 1200-1400	40-50	D	45-55	E	40-50	C
N	Aluminum and aluminium alloys	A1050, A5005, A6060	≤400					130-150	F
	Forged aluminium alloy	A6012, A2017, A6061, A7075	≤450					120-160	F
	Cast aluminium alloy <10% Si >10% Si	AC2A, AC2B, AC4B, ADC10 ADC1, ADC2, ACBA	≤600 ≤600					80-110	F
	magnesium alloy	M1, MB2, MB3	≤450					110-140	F
	copper (Cu)	C1030, C5191, BC6	≤400					45-55	D
	Brass short	C3604, C3713, C3800, C2400, C2680, C3350	≤600 ≤600					35-45	C
S	Special Alloys, Super Heat Resistant Alloys	SUH, NCF, NW (Nimonic, Inconel, Monel, Hastelloy)	≤1200			25-35	A	20-25	A
	Titanium and Titanium Alloys	Ti99,5, TiA15Sn2,5, TiCu2 TiA16Zr5, TiA16V4, TiA14Mo4Sn2,5, TiA18Mo1V1	≤850 >850-1200			20-25	A	25-30	A

