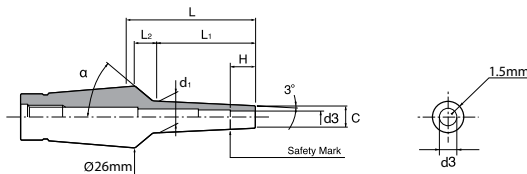




PACKED
1 PIECE

List 9907

HY-PRO® Shrink Slim Extensions, For Long Reach & Coolant-Through the Tool Operations



EDP Number	Designation	Body Type	Bore Diameter	Nose Diameter	Neck Length		Neck Diameter	Overall Length	Taper Angle	Clamping Length	Max Insertion Length
			d3 (Inch)	C (Inch)	L1 (Inch)	L2 (Inch)	d1 (Inch)	L (Inch)	α (°)	H (Inch)	H1 (Inch)
9910076	● CS12-1/8-80	Slim	0.125	0.240	2.640	0.370	0.520	3.150	34.0	0.390	4.330
9910077	● CS12-1/8-110	Slim	0.125	0.240	3.820	0.370	0.640	4.330	27.2	0.390	5.510
9910084	● CS12-3/16-80	Slim	0.188	0.310	2.640	0.370	0.580	3.150	30.7	0.590	4.330
9910085	● CS12-3/16-110	Slim	0.188	0.310	3.820	0.370	0.710	4.330	22.7	0.590	5.510
9910088	● CS12-1/4-80	Slim	0.250	0.370	2.640	0.370	0.640	3.150	27.2	0.710	4.330
9910089	● CS12-1/4-110	Slim	0.250	0.370	3.820	0.370	0.770	4.330	18.7	0.710	5.510
9910096	● CS12-5/16-80	Slim	0.313	0.430	2.640	0.370	0.710	3.150	22.7	0.980	4.330
9910097	● CS12-5/16-110	Slim	0.313	0.430	3.820	0.370	0.830	4.330	14.4	0.980	5.510
9910104	● CS12-3/8-80	Slim	0.375	0.490	2.640	0.370	0.770	3.150	18.7	1.180	2.360
9910105	● CS12-3/8-110	Slim	0.375	0.490	3.820	0.370	0.890	4.330	10.0	0.980	2.360
9910108	● CS12-7/16-80	Slim	0.438	0.560	2.640	0.370	0.830	3.150	5.4	1.180	2.360
9910109	● CS12-7/16-110	Slim	0.438	0.560	4.180	-	0.990	4.330	-	1.180	2.360
9910112	● CS12-1/2-80	Slim	0.500	0.620	2.640	0.370	0.890	3.150	10.0	1.180	2.360
9910113	● CS12-1/2-110	Slim	0.500	0.620	3.680	0.500	1.000	4.330	-	1.180	2.360

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 The tool should be inserted deeper than the safety mark.
 Do not exceed the Max Insertion Length.



ABOUT OSG

DRILLING

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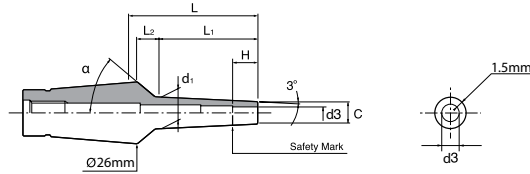




PACKED
1 PIECE

List 9907 (Continued)

HY-PRO® Shrink Slim Extensions, For Long Reach & Coolant-Through the Tool Operations



EDP Number	Designation	Body Type	Bore Diameter	Nose Diameter	Neck Length		Neck Diameter	Overall Length	Taper Angle	Clamping Length	Max Insertion Length	
			d3 (mm)	C (mm)	L1 (mm)	L2 (mm)	d1 (mm)	L (mm)	α (°)	H (mm)	H1 (mm)	
8910070	●	CS12-3-35	Slim	3.0	22.0	9.5	35.0	10.0	6.0	8.4	52.7	60.0
8910071	●	CS12-3-55	Slim	3.0	42.0	9.5	55.0	10.0	6.0	10.5	47.9	80.0
8910072	●	CS12-3-80	Slim	3.0	6.0	67.0	9.5	13.1	80.0	41.2	10.0	105.0
8910073	●	CS12-3-110	Slim	3.0	6.0	97.0	9.5	16.2	110.0	31.8	10.0	135.0
8910074	●	CS12-3.175-35	Slim	3.2	6.2	22.0	9.5	8.5	35.0	52.6	10.0	60.0
8910075	●	CS12-3.175-55	Slim	3.2	6.2	42.0	9.5	10.6	55.0	47.9	10.0	80.0
8910076	●	CS12-3.175-80	Slim	3.2	6.2	67.0	9.5	13.2	80.0	41.2	10.0	105.0
8910077	●	CS12-3.175-110	Slim	3.2	6.2	97.0	9.5	16.4	110.0	31.8	10.0	135.0
8910078	●	CS12-4-35	Slim	4.0	7.0	22.0	9.5	9.4	35.0	50.4	12.0	60.0
8910079	●	CS12-4-55	Slim	4.0	7.0	42.0	9.5	11.5	55.0	45.5	12.0	80.0
8910080	●	CS12-4-80	Slim	4.0	7.0	67.0	9.5	14.1	80.0	38.3	12.0	105.0
8910081	●	CS12-4-110	Slim	4.0	7.0	97.0	9.5	17.2	110.0	28.7	12.0	135.0
8910082	●	CS12-5-35	Slim	5.0	8.0	22.0	9.5	10.4	35.0	48.1	15.0	60.0
8910083	●	CS12-5-55	Slim	5.0	8.0	42.0	9.5	12.5	55.0	42.8	15.0	80.0
8910084	●	CS12-5-80	Slim	5.0	8.0	67.0	9.5	15.1	80.0	35.4	15.0	105.0
8910085	●	CS12-5-110	Slim	5.0	8.0	97.0	9.5	18.2	110.0	25.4	15.0	135.0
8910086	●	CS12-6-35	Slim	6.0	9.0	22.0	9.5	11.4	35.0	45.7	18.0	60.0
8910087	●	CS12-6-55	Slim	6.0	9.0	42.0	9.5	13.5	55.0	40.1	18.0	80.0
8910088	●	CS12-6-80	Slim	6.0	9.0	67.0	9.5	16.1	80.0	32.3	18.0	105.0
8910089	●	CS12-6-110	Slim	6.0	9.0	97.0	9.5	19.2	110.0	22.1	18.0	135.0
8910090	●	CS12-7-35	Slim	7.0	10.0	22.0	9.5	12.4	35.0	43.1	20.0	60.0
8910091	●	CS12-7-55	Slim	7.0	10.0	42.0	9.5	14.5	55.0	37.2	20.0	80.0
8910092	●	CS12-7-80	Slim	7.0	10.0	67.0	9.5	17.1	80.0	29.1	20.0	105.0
8910093	●	CS12-7-110	Slim	7.0	10.0	97.0	9.5	20.2	110.0	18.8	20.0	135.0
8910094	●	CS12-8-35	Slim	8.0	11.0	22.0	9.5	13.4	35.0	40.4	25.0	60.0
8910095	●	CS12-8-55	Slim	8.0	11.0	42.0	9.5	15.5	55.0	34.2	25.0	80.0
8910096	●	CS12-8-80	Slim	8.0	11.0	67.0	9.5	18.1	80.0	25.9	25.0	105.0
8910097	●	CS12-8-110	Slim	8.0	11.0	97.0	9.5	21.2	110.0	15.5	25.0	135.0
8910098	●	CS12-9-35	Slim	9.0	12.0	22.0	9.5	14.4	35.0	37.5	30.0	60.0
8910099	●	CS12-9-55	Slim	9.0	12.0	42.0	9.5	16.5	55.0	31.1	30.0	80.0
8910100	●	CS12-9-80	Slim	9.0	12.0	67.0	9.5	19.1	80.0	22.6	30.0	105.0
8910101	●	CS12-9-110	Slim	9.0	12.0	97.0	9.5	22.2	110.0	12.2	30.0	135.0
8910102	●	CS12-10-35	Slim	10.0	13.0	22.0	9.5	15.4	35.0	34.5	30.0	60.0
8910103	●	CS12-10-55	Slim	10.0	13.0	42.0	9.5	17.5	55.0	27.9	30.0	80.0
8910104	●	CS12-10-80	Slim	10.0	13.0	67.0	9.5	20.1	80.0	19.3	30.0	105.0
8910105	●	CS12-10-110	Slim	10.0	13.0	97.0	9.5	23.2	110.0	8.9	30.0	135.0
8910106	●	CS12-11-35	Slim	11.0	14.0	22.0	9.5	16.4	35.0	31.4	30.0	60.0
8910107	●	CS12-11-55	Slim	11.0	14.0	42.0	9.5	18.5	55.0	24.6	30.0	80.0
8910108	●	CS12-11-80	Slim	11.0	14.0	67.0	9.5	21.1	80.0	16.0	30.0	105.0
8910109	●	CS12-11-110	Slim	11.0	14.0	97.0	9.5	24.2	110.0	5.7	30.0	135.0
8910110	●	CS12-12-35	Slim	12.0	15.0	22.0	9.5	17.4	35.0	28.2	30.0	60.0
8910111	●	CS12-12-55	Slim	12.0	15.0	42.0	9.5	19.5	55.0	21.3	30.0	80.0
8910112	●	CS12-12-80	Slim	12.0	15.0	67.0	9.5	22.1	80.0	12.7	30.0	105.0
8910113	●	CS12-12-110	Slim	12.0	-	-	-	15.0	110.0	-	30.0	135.0

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 This slim collet successfully avoids interference with the work material.
 The tool should be inserted deeper than the safety mark.
 Do not exceed the Max Insertion Length.

