

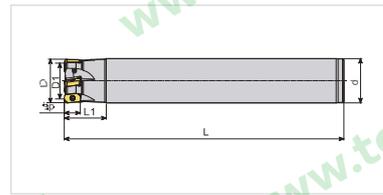
Sholdering EXN03R Type

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Shouldering

EXN03R TYPE

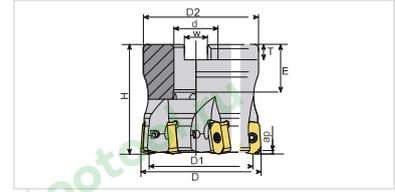
Shoulder Endmill



Designation	Stock	No. of Inserts	Dimension (mm)						Adapter	🚰	Kg
			ΦD	φd	φD1	l	L	ap			
EXN03R-1616-100L-2T	●	2	16	16	9.6	30	100	1.0	S	√	0.13
EXN03R-1616-150L-2T	●	2	16	16	9.6	50	150	1.0	S	√	0.21
EXN03R-1616-200L-2T	●	2	16	16	9.6	60	200	1.0	S	√	0.28
EXN03R-1716-150L-2T	●	2	17	16	10.6	30	150	1.0	S	√	0.13
EXN03R-1716-200L-2T	●	2	17	16	10.6	30	200	1.0	S	√	0.21
EXN03R-1816-150L-2T	●	2	18	16	10.6	30	150	1.0	S	√	0.21
EXN03R-1816-200L-2T	●	2	18	16	10.6	30	200	1.0	S	√	0.28
EXN03R-2020-100L-3T	●	3	20	20	13.5	30	150	1.0	S	√	0.24
EXN03R-2020-150L-3T	●	3	20	20	13.5	50	100	1.0	S	√	0.32
EXN03R-2020-200L-3T	●	3	20	20	13.5	100	200	1.0	S	√	0.43
EXN03R-2020-250L-3T	●	3	20	20	13.5	100	250	1.0	S	√	0.55
EXN03R-2120-150L-3T	●	3	21	20	14.5	35	150	1.0	S	√	0.32
EXN03R-2120-200L-3T	●	3	21	20	14.5	35	200	1.0	S	√	0.45
EXN03R-2220-150L-3T	●	3	22	20	14.5	35	150	1.0	S	√	0.32
EXN03R-2220-200L-3T	●	3	22	20	14.5	35	200	1.0	S	√	0.45
EXN03R-2525-150L-4T	●	4	25	25	18.5	50	150	1.0	S	√	0.52
EXN03R-2525-200L-4T	●	4	25	25	18.5	100	200	1.0	S	√	0.68
EXN03R-2525-250L-4T	●	4	25	25	18.5	100	250	1.0	S	√	0.86
EXN03R-2625-150L-4T	●	4	26	25	19.5	40	150	1.0	S	√	0.52
EXN03R-2625-200L-4T	●	4	26	25	19.5	40	200	1.0	S	√	0.68
EXN03R-2625-250L-4T	●	4	26	25	19.5	40	250	1.0	S	√	0.90
EXN03R-2825-150L-4T	●	4	28	25	19.5	40	150	1.0	S	√	0.55
EXN03R-2825-200L-4T	●	4	28	25	19.5	40	200	1.0	S	√	0.73
EXN03R-3232-150L-5T	●	5	32	32	25.5	50	150	1.0	S	√	0.87
EXN03R-3232-200L-5T	●	5	32	32	25.5	100	200	1.0	S	√	1.13
EXN03R-3232-250L-5T	●	5	32	32	25.5	100	250	1.0	S	√	1.44
EXN03R-3332-150L-5T	●	5	33	32	26.5	40	150	1.0	S	√	0.87
EXN03R-3332-200L-5T	●	5	33	32	26.5	40	200	1.0	S	√	1.15
EXN03R-3332-250L-5T	●	5	33	32	26.5	40	250	1.0	S	√	1.50
EXN03R-3532-150L-5T	●	5	35	32	26.5	40	150	1.0	S	√	0.88
EXN03R-3532-200L-5T	●	5	35	32	26.5	40	200	1.0	S	√	1.18
EXN03R-3532-250L-5T	●	5	35	32	26.5	40	250	1.0	S	√	1.50
EXN03R-4032-150L-6T	●	6	40	32	33.6	35	150	1.0	S	√	0.91
EXN03R-4032-200L-6T	●	6	40	32	33.6	35	200	1.0	S	√	1.22
EXN03R-4032-250L-6T	●	6	40	32	33.6	35	250	1.0	S	√	1.53

EXN03R TYPE

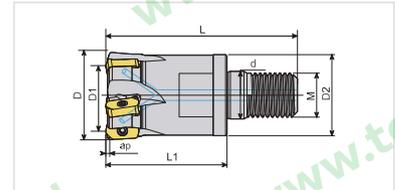
Shoulder Shell Mill



Designation	Stock	No. of Inserts	Dimension (mm)									Adapter		Kg
			ΦD	φD2	Φd	φD1	E	H	T	W	ap			
EXN03R-040-16-06T	●	6	40	35	16	33.6	19	40	5.6	8.4	1.0	A	√	0.21
EXN03R-040-22-06T	●	6	40	35	22	33.6	19	40	5.6	8.4	1.0	A	√	0.21
EXN03R-050-22-08T	●	8	50	45	22	43.6	20	50	6.3	10.4	1.0	A	√	0.44
EXN03R-063-22-08T	●	8	63	52	22	56.6	20	50	6.3	10.4	1.0	A	√	0.71
EXN03R-080-27-10T	●	10	80	60	27	73.6	25	50	7.0	12.4	1.0	B	√	1.05
EXN03R-100-32-12T	●	12	100	70	32	93.6	33	50	8.0	14.4	1.0	B	√	1.59

EXN03R TYPE

Shoulder Mill Modular



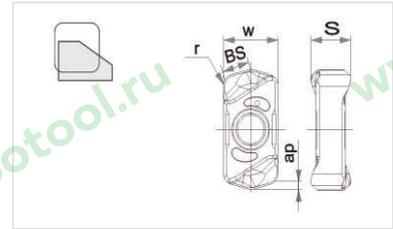
Designation	Stock	No. of Inserts	Dimension (mm)									Kg
			ΦD	D1	D1	L1	L	d	M	ap		
EXN03R-016-M08-2T	●	2	16	9.6	15.5	28	47	8.5	M8	1.0	√	0.03
EXN03R-017-M08-2T	●	2	17	11.5	15.5	28	47	8.5	M8	1.0	√	0.03
EXN03R-018-M08-2T	●	2	18	11.5	15.5	28	47	8.5	M8	1.0	√	0.04
EXN03R-020-M10-3T	●	3	20	13.5	19.5	30	49	10.5	M10	1.0	√	0.06
EXN03R-021-M10-3T	●	3	21	13.5	19.5	30	49	10.5	M10	1.0	√	0.06
EXN03R-022-M10-3T	●	3	22	15.5	19.5	30	49	10.5	M10	1.0	√	0.06
EXN03R-025-M12-4T	●	4	25	18.5	23.0	35	57	12.5	M12	1.0	√	0.10
EXN03R-028-M12-4T	●	4	28	21.5	23.0	35	57	12.5	M12	1.0	√	0.12
EXN03R-030-M16-5T	●	5	30	23.5	28.0	40	65	17.0	M16	1.0	√	0.20
EXN03R-032-M16-5T	●	5	32	25.5	30.0	40	65	17.0	M16	1.0	√	0.20
EXN03R-040-M16-6T	●	6	40	33.6	30.0	40	65	17.0	M16	1.0	√	0.27

Shouldering

TYPE		
	Insert screw	Wrench
EXN03R	L06555SS TX2.5-3.6P	TPF-08

Available Inserts

LNMU



Workpiece			Machining Type												
			●	⊕	⊕					●	⊕	⊕	⊕	⊕	⊕
Steel	P		●	⊕	⊕					●	⊕	⊕	⊕	⊕	⊕
Stainless steel	M		⊕		⊕					●	⊕	⊕	⊕	⊕	⊕
Cast iron	K		⊕			●	●	⊕	⊕	●	⊕		⊕	⊕	⊕
Non-ferrous metal	N														
Heat resistant alloy, Titanium alloy	S									●	⊕	⊕	⊕		
Hardened steel	H											⊕	⊕	⊕	

● Continuous cutting
 ⊕ General cutting
 ⊕ Interrupted cutting

Designation	Dimension (mm)						CVD Coated				PVD Coated					
	W	S	BS	ap	r											
 LNMU0303ZER-TW	6.0	4.3	3.20	1.00	1.2								●	●		
LNMU-TW																
 LNMU0303ZER-TL	6.0	4.3	3.20	1.00	1.2								●	●		
LNMU-TL																

