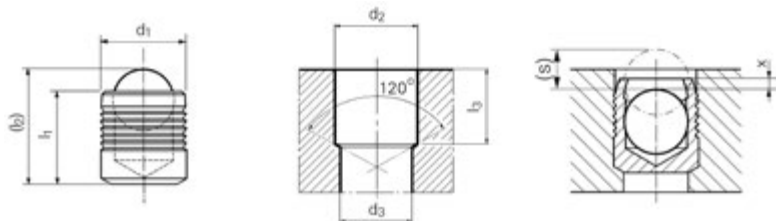




# KOENIG EXPANDER® SEALING PLUGS

## Series MB 850

**Material:**

Sleeve: Case Hardening Steel Zinc Plated, Thick  
Coat Passivated, CR (VI)-Free  
Ball: Bearing Steel, Heat Treated

**Important:**

See installation instructions on pages 78–79  
Installation requirements on page 73

Part Number	d <sub>1</sub>	l <sub>1</sub>	(l <sub>2</sub> ) ~ Ref.	d <sub>2</sub> +0.1 0	d <sub>3</sub> max	l <sub>3</sub> min.	x ±0.2	(s) ~ Ref.	Packaging Unit*	Weight in gram/pcs.
MB 850-030	3.0	3.6	4.6	3.0	2.2	3.4	0.4	1.2	1000	0.17
MB 850-040	4.0	4.0	5.2	4.0	3.3	3.8	0.2	1.5	2000	0.34
MB 850-050	5.0	5.5	7.1	5.0	4.3	5.3	0.4	1.9	2000	0.68
MB 850-060	6.0	6.5	8.6	6.0	5.3	6.3	0.4	2.0	2000	1.17
MB 850-070	7.0	7.5	10.1	7.0	6.4	7.3	0.4	3.0	1000	1.91
MB 850-080	8.0	8.5	11.6	8.0	7.4	8.3	0.3	3.5	1000	2.84
MB 850-090	9.0	10.0	13.6	9.0	8.4	9.8	0.4	4.0	500	4.00
MB 850-100	10.0	11.0	15.1	10.0	9.4	10.8	0.4	4.5	500	5.47
MB 850-120	12.0	13.0	17.9	12.0	10.6	12.8	0.4	5.5	250	9.31
**MB 850-140	14.0	15.0	20.6	14.0	12.7	14.5	0.4	6.35	250	14.72
**MB 850-160	16.0	17.0	23.4	16.0	14.7	16.5	0.6	7.0	100	22.00
**MB 850-180	18.0	19.0	26.4	18.0	16.7	18.5	0.6	8.0	100	31.34
**MB 850-200	20.0	22.0	30.1	20.0	18.7	21.5	0.8	9.0	100	44.24
**MB 850-220	22.0	25.0	34.0	22.0	20.7	24.5	0.8	10.0	50	58.61

Dimensions in millimeters

\*Standard pack quantities may vary by sales organization

\*\*Not all items in stock – MOQ and production lead times may apply

## PRESSURE PERFORMANCE

Series MB 850 mm	①	②	③	⑤	⑥	⑦	⑧
	ETG-100 / 44SMn28 AISI 1144	C15Pb / 1.0403 ~ SAE 1015 (10L15)	EN 1563: GJS-600-3 ASTM A536: 80-60-03	EN 1561: GJL-250 ASTM A48: NO.35	AlCu4Mg1 / EN AW-2024-T3 AA: 2024 T4/T6*	AlMgSiPb / EN AW-6012-T6 AA: 6012-T6	G-AlSi7Mg / EN-AC-42100 ASTM/UNS: A356
Base Material of the Installation							
Ø 3 – 10	1100 bar / 16000 psi <b>350 bar / 5100 psi</b>					1000 bar / 14500 psi <b>320 bar / 4600 psi</b>	
Ø 12 – 22	900 bar / 13000 psi <b>280 bar / 4100 psi</b>					800 bar / 11600 psi <b>250 bar / 3600 psi</b>	

Proof Pressure Test - @

**Max. Allowable Working Pressure = Nominal Pressure**

\*SFC KOENIG's North American Engineering Department utilizes 2024-T4/T6 as a test base material.