

Pavement Breakers

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PB35AL8



PB35AS8

PB Series

- ▶ One-piece housing eliminates costly side rods and springs
- ▶ Power-stroke piston delivers more energy to the work surface and eliminates another costly wear item
- ▶ Built-in lubricator helps ensure adequate lubrication
- ▶ Two roll pins and removal of the housing plug on the top head make service access simple
- ▶ Muffler reduces noise (PB35AS8 and PB50AS1 only)



PB50AL1



PB50AS1

Model	Hex Shank Size	Stroke in (mm)	Bore in (mm)	Length Without Accessory in (mm)	Weight Without Accessory lb (kg)	bpm	cfm	Inlet Size NPT in	Recommended Hose Size in (mm)
PAVING BREAKERS WITH MUFFLER									
PB35AS8	1" x 4-1/4"	6.25" (159)	1.75" (44)	25" (625)	43 (20)	1,250	49	3/4"	3/4" (19)
PB50AS1	1-1/8" x 6"	6.25" (159)	1.75" (44)	27.5" (699)	55 (25)	1,150	58	3/4"	3/4" (19)
PAVING BREAKERS WITHOUT MUFFLER									
PB35AL8	1" x 4-1/4"	6.25" (159)	1.75" (44)	25" (625)	40 (18)	1,250	49	3/4"	3/4" (19)
PB50AL1	1-1/8" x 6"	6.25" (159)	1.75" (44)	27.5" (699)	52 (24)	1,150	58	3/4"	3/4" (19)

Performance figures are at 90 psi (6.2 bar) air pressure.

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MX Series

- ▶ No expensive side rods and springs
- ▶ Composite valve won't rust
- ▶ Directional exhaust eliminates blow back
- ▶ Built-in lubricator
- ▶ Hand-serviceable shank doesn't require a press to service
- ▶ Backhead conforms to operator's leg
- ▶ Optional muffler sold separately (MX90 Series only)



MX60A



MX90A

MX Series with Flex-Handle™

- ▶ The Flex-Handle feature provides vibration dampening in a full 360° range of movement. Competitive mechanical springs only work in one direction and lose their ability to absorb vibration when fully compressed, or when hammering while pulling the breaker out of the work surface.



MX60AF



MX90AF

Model	Hex Shank Size	Stroke in (mm)	Bore in (mm)	Length Without Accessory in (mm)	Weight Without Accessory lb (kg)	bpm	cfm	Inlet Size NPT in	Recommended Hose Size in (mm)	Muffler Part Number
STANDARD BREAKERS										
MX60A	1-1/8" x 6"	5.75" (146)	2.06" (52.3)	27.5" (686)	76 (31.8)	1,250	70	3/4"	3/4" (19)	N/A
MX60B	1-1/4" x 6"	5.75" (146)	2.06" (52.3)	27.5" (686)	76 (31.8)	1,250	70	3/4"	3/4" (19)	N/A
MX90A	1-1/8" x 6"	5.75" (146)	2.62" (66.5)	27.5" (686)	87 (39.5)	1,250	85	3/4"	3/4" (19)	51953453
MX90B	1-1/4" x 6"	5.75" (146)	2.62" (66.5)	27.5" (686)	87 (39.5)	1,250	85	3/4"	3/4" (19)	51953453
VIBRATION-REDUCED FLEX-HANDLE BREAKERS										
MX60AF	1-1/8" x 6"	5.75" (146)	2.06" (52.3)	27.5" (686)	76 (31.8)	1,250	70	3/4"	3/4" (19)	N/A
MX60BF	1-1/4" x 6"	5.75" (146)	2.06" (52.3)	27.5" (686)	76 (31.8)	1,250	70	3/4"	3/4" (19)	N/A
MX90AF	1-1/8" x 6"	5.75" (146)	2.62" (66.5)	27.5" (686)	87 (39.5)	1,250	85	3/4"	3/4" (19)	51953453
MX90BF	1-1/4" x 6"	5.75" (146)	2.62" (66.5)	27.5" (686)	87 (39.5)	1,250	85	3/4"	3/4" (19)	51953453

Performance figures are at 90 psi (6.2 bar) air pressure.

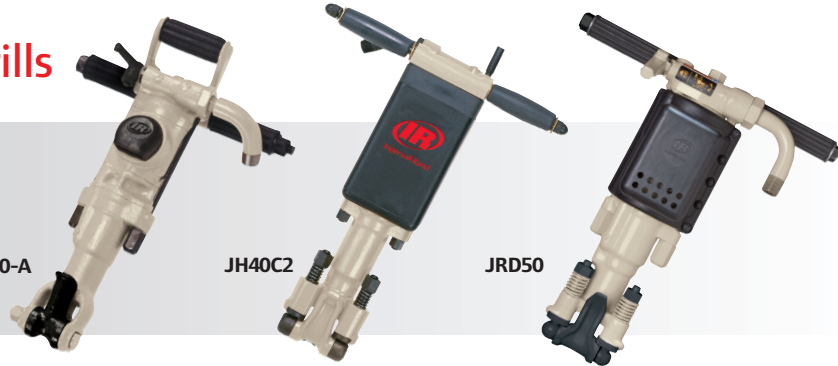
Jackhammers and Rockdrills

- ▶ Easy-access adjustable 3-speed throttle
- ▶ Reversible pawls
- ▶ Integral muffler
- ▶ For wet or dry drilling

JRD30-A

JH40C2


JRD50

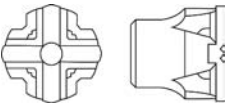



Model	Hex Shank Size	Stroke in (mm)	Bore in (mm)	Length Without Accessory in (mm)	Weight Without Accessory lb (kg)	Max Hole Diameter	Max Hole Depth	bpm	cfm	Inlet Size NPT in	Recommended Hose Size in (mm)
JRD30-A	7/8" x 3-1/4"	1.44" (37)	2.38" (60)	19.5" (495)	29 (13.2)	1.5" (38)	10' (254)	2,700	73	3/4"	3/4" (19)
JRD30-B	7/8" x 4-1/4"	1.44" (37)	2.38" (60)	19.5" (495)	29 (13.2)	1.5" (38)	10' (254)	2,700	73	3/4"	3/4" (19)
JH40C1	7/8" x 3-1/4"	2.63" (67)	2.5" (63.5)	22.5" (572)	61 (27.7)	2" (51)	18' (457)	2,000	115	3/4"	3/4" (19)
JH40C2	7/8" x 4-1/4"	2.63" (67)	2.5" (63.5)	22.5" (572)	61 (27.7)	2" (51)	18' (457)	2,000	115	3/4"	3/4" (19)
JH40C3	1" x 4-1/4"	2.63" (67)	2.5" (63.5)	22.5" (572)	61 (27.7)	2" (51)	18' (457)	2,000	115	3/4"	3/4" (19)
JRD50-A	7/8" x 3-1/4"	2" (51)	3" (76)	20.5" (521)	51 (23)	2" (51)	16' (406)	2,300	120	3/4"	3/4" (19)
JRD50-B	7/8" x 4-1/4"	2" (51)	3" (76)	20.5" (521)	51 (23)	2" (51)	16' (406)	2,300	120	3/4"	3/4" (19)
JRD50-C	1" x 4-1/4"	2" (51)	3" (76)	20.5" (521)	51 (23)	2" (51)	16' (406)	2,300	120	3/4"	3/4" (19)

Performance figures are at 90 psi (6.2 bar) air pressure.

Steels, Bits, and Retainers

Product	Description	Under Collar Length in	Hex Shank Part Number and Size		
			7/8" x 3-1/4"	7/8" x 4-1/4"	1" x 4-1/4"
	"H" Thread Jack Rods	18"	50283266	51242014	50713031
		24"	50283506	51233690	50354596
		30"	51305639	51242030	51305704
		36"	50712728	51234052	50713049
		48"	50283555	51234060	50283183
		60"	50712736	51242063	50713056

Product	Description	Bit Size in (mm)	Part Number	
			Single-use	Multi-use
	"H" Thread Carbide Bits	1-1/2" (38)	51248367	51248300
		1-3/4" (44)	51248383	51248326
		2" (52)	51248409	51248342
		2-1/4" (57)	N/A	51356723
		2-1/2" (64)	N/A	51293017

Product	Description	Bit Diameter in	Depth in	Length in	Part Number		
					7/8" x 3-1/4"	7/8" x 4-1/4"	1" x 4-1/4"
	Carbide-tipped Drill Steel	5/8"	15"	18"	WB581518	WBA581518	N/A
		5/8"	21"	24"	WB582124	WBA582124	N/A
		3/4"	15"	18"	WB341518	WBA341518	WBC341518
		3/4"	21"	24"	WB342124	WBA342124	WBC342124
		7/8"	15"	18"	WB781518	WBA781518	WBC781518
		7/8"	21"	24"	WB782124	WBA782124	WBC782124
		1"	15"	18"	WB11518	WBA11518	WBC11518
		1"	21"	24"	WB12124	WBA12124	WBC12124
		1-1/8"	15"	18"	WB1181518	WBA1181518	WBC1181518
		1-1/8"	21"	24"	WB1182124	WBA1182124	WBC1182124

A full line of carbide-tipped drill steels and 1-1/4" x 4-1/4" hex shank rope thread jackrod is available from the Ingersoll Rand Construction Tool Steels and Accessories catalog, along with other sizes of jackrod and bits: Form # IRPS-0407-006.

Chipping Hammers

K Series

- ▶ General / light-duty
- ▶ Grooved barrel with lock-spring retainer
- ▶ Swan-neck handle with outside trigger
- ▶ Replaceable piston
- ▶ Uses oval collar accessories



K2LA1

D Series

- ▶ Construction-duty
- ▶ Die-cast aluminum handle with outside trigger
- ▶ Directional exhaust
- ▶ Available in 2", 3", or 4" stroke
- ▶ Tease throttle
- ▶ Uses oval collar accessories



2DA2SA

Model	Retainer Type	Stroke in (mm)	Bore in (mm)	Length Without Accessory in (mm)	Weight Without Accessory lb (kg)	bpm	cfm	Inlet Size NPT in	Recommended Hose Size in (mm)
K SERIES LIGHT-DUTY CHIPPERS									
WITH .580" HEX NOZZLE — FOR USE WITH HEX SHANK OVAL COLLAR ACCESSORIES									
K2LA1	None	1.75" (44)	0.88" (22)	10.88" (276)	6 (2.72)	3,600	18	1/4"	1/2" (13)
K2LA1SA	Standard	1.75" (44)	0.88" (22)	12" (305)	8 (3.63)	3,600	18	1/4"	1/2" (13)
WITH .680" ROUND NOZZLE — FOR USE WITH ROUND SHANK OVAL COLLAR ACCESSORIES									
K2LA2	None	1.75" (44)	0.88" (22)	10.88" (276)	6 (2.72)	3,600	18	1/4"	1/2" (13)
K2LA2SA	Standard	1.75" (44)	0.88" (22)	12" (305)	8 (3.63)	3,600	18	1/4"	1/2" (13)
D SERIES CONSTRUCTION-DUTY CHIPPERS									
WITH .580" HEX NOZZLE — FOR USE WITH HEX SHANK OVAL COLLAR ACCESSORIES									
2DA1SA	Standard	2" (51)	1.13" (29)	13.75" (349)	13.75 (6.25)	2,200	28	7/8"-24	1" (25)
3DA1SA	Standard	3" (76)	1.13" (29)	17" (432)	15 (6.82)	1,900	31	7/8"-24	1" (25)
4DA1SA	Standard	4" (102)	1.13" (29)	18" (457)	16 (7.27)	1,600	34	7/8"-24	1" (25)
WITH .680" ROUND NOZZLE — FOR USE WITH ROUND SHANK OVAL COLLAR ACCESSORIES									
2DA2SA	Standard	2" (51)	1.13" (29)	13.75" (349)	13.75 (6.25)	2,200	28	7/8"-24	1" (25)
3DA2SA	Standard	3" (76)	1.13" (29)	17" (432)	15 (6.82)	1,900	31	7/8"-24	1" (25)
4DA2SA	Standard	4" (102)	1.13" (29)	18" (457)	16 (7.27)	1,600	34	7/8"-24	1" (25)

Performance figures are at 90 psi (6.2 bar) air pressure.

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Chipping Hammers

A Series

- ▶ Industrial-duty
- ▶ Grooved barrel with lock-spring retainer
- ▶ Swan-neck handle with outside trigger
- ▶ Replaceable piston
- ▶ Uses oval collar accessories



2A2SA

W Series

- ▶ Heavy-duty
- ▶ Swan-neck handle with outside trigger
- ▶ Heavy-duty threaded barrel
- ▶ Rubber buffered screw on retainer
- ▶ Uses round collar accessories



W3A2

Model	Retainer Type	Stroke in (mm)	Bore in (mm)	Length Without Accessory in (mm)	Weight Without Accessory lb (kg)	bpm	cfm	Inlet Size NPT in	Recommended Hose Size in (mm)
A SERIES INDUSTRIAL-DUTY CHIPPERS									
WITH .580" HEX NOZZLE — FOR USE WITH (X4) HEX SHANK OVAL COLLAR ACCESSORIES									
1A1SA	Standard	1" (25)	1.13" (28)	15.5" (394)	14.75 (6.69)	2,500	28	3/8"	1/2" (13)
2A1SA	Standard	2" (51)	1.13" (28)	16" (406)	15.13 (6.86)	2,300	28	3/8"	1/2" (13)
3A1SA	Standard	3" (76)	1.13" (28)	17.88" (454)	16.63 (7.54)	1,725	29	3/8"	1/2" (13)
4A1SA	Standard	4" (102)	1.13" (28)	18.88" (480)	17.5 (7.94)	1,480	29	3/8"	1/2" (13)
WITH .680" ROUND NOZZLE — FOR USE WITH (X4) ROUND SHANK OVAL COLLAR ACCESSORIES									
1A2SA	Standard	1" (25)	1.13" (28)	15.5" (394)	14.75 (6.69)	2,500	28	3/8"	1/2" (13)
2A2SA	Standard	2" (51)	1.13" (28)	16" (406)	15.13 (6.86)	2,300	28	3/8"	1/2" (13)
3A2SA	Standard	3" (76)	1.13" (28)	17.88" (454)	16.63 (7.54)	1,725	29	3/8"	1/2" (13)
4A2SA	Standard	4" (102)	1.13" (28)	18.88" (480)	17.5 (7.94)	1,480	29	3/8"	1/2" (13)
W SERIES HEAVY-DUTY CHIPPERS									
WITH .580" HEX NOZZLE — FOR USE WITH (X4) HEX SHANK ROUND COLLAR ACCESSORIES									
W1A1	Rubber-buffered	1" (25)	1.13" (28)	15.88" (403)	14.75 (6.69)	2,500	28	3/8"	1/2" (13)
W2A1	Rubber-buffered	2" (51)	1.13" (28)	16.38" (416)	15.13 (6.86)	2,300	28	3/8"	1/2" (13)
W3A1	Rubber-buffered	3" (76)	1.13" (28)	18.25" (464)	16.63 (7.54)	1,725	29	3/8"	1/2" (13)
W4A1	Rubber-buffered	4" (102)	1.13" (28)	19.25" (489)	17.5 (7.94)	1,480	29	3/8"	1/2" (13)
WITH .680" ROUND NOZZLE — FOR USE WITH (X4) ROUND SHANK ROUND COLLAR ACCESSORIES									
W1A2	Rubber-buffered	1" (25)	1.13" (28)	15.88" (403)	14.75 (6.69)	2,500	28	3/8"	1/2" (13)
W2A2	Rubber-buffered	2" (51)	1.13" (28)	16.38" (416)	15.13 (6.86)	2,300	28	3/8"	1/2" (13)
W3A2	Rubber-buffered	3" (76)	1.13" (28)	18.25" (464)	16.63 (7.54)	1,725	29	3/8"	1/2" (13)
W4A2	Rubber-buffered	4" (102)	1.13" (28)	19.25" (489)	17.5 (7.94)	1,480	29	3/8"	1/2" (13)

Performance figures are at 90 psi (6.2 bar) air pressure.

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3/8" and 1/2" Impacttools™ and Ratchets



Model*	Description	Handle	Free Speed rpm	Max Torque ft-lb (Nm)	Recommended Torque Range ft-lb (Nm)	Weight lb (kg)	Length in (mm)	cfm	Recommended Hose Size in (mm)
3/8" RATCHETS									
107XPA	3/8" square	Lever	160	54 (73)	10 – 45 (14 – 61)	2.75 (1.25)	11" (279)	19	3/8" (10)
109XPA	3/8" square	Lever	220	76 (95)	10 – 60 (14 – 81)	3.3 (1.4)	12" (302)	24	3/8" (10)
IMPACTTOOLS									
3/8" HEAVY-DUTY									
1702P1	3/8" square	Pistol	10,000	125 (170)	20 – 100 (27 – 136)	2.75 (1.25)	5.5" (140)	15	5/16" (8)
3/8" MAINTENANCE-DUTY									
2115PTiMAX	3/8" square reverse bias	Pistol	15,000	F: 250 (339) R: 300 (407)	25 – 230 (34 – 312)	2.49 (1.13)	5.95" (151)	17	3/8" (10)
2115TiMAX	3/8" square reverse bias	Pistol	15,000	F: 250 (339) R: 300 (407)	25 – 230 (34 – 312)	2.48 (1.12)	5.95" (151)	17	3/8" (10)
212	3/8" square	Pistol	10,000	180 (244)	20 – 150 (27 – 204)	2.89 (1.31)	6" (152)	11	3/8" (10)
1/2" MAINTENANCE-DUTY									
2135PTiMAX	1/2" square reverse bias	Pistol	9,800	F: 600 (813) R: 780 (1054)	50 – 550 (68 – 746)	3.95 (1.79)	7.35" (187)	24	3/8" (10)
2135TiMAX	1/2" square reverse bias	Pistol	9,800	F: 600 (813) R: 780 (1054)	50 – 550 (68 – 746)	3.95 (1.79)	7.35" (187)	24	3/8" (10)
2135Ti-2MAX	1/2" square 2" extended anvil	Pistol	9,800	F: 600 (813) R: 780 (1054)	50 – 550 (68 – 746)	4.4 (2)	9.47" (241)	24	3/8" (10)
2135QTiMAX	1/2" square Quiet tool	Pistol	9,800	F: 600 (813) R: 780 (1054)	50 – 550 (68 – 746)	4.05 (1.84)	7.35" (187)	24	3/8" (10)
2135QPTiMAX	1/2" square Quiet tool	Pistol	9,800	F: 600 (813) R: 780 (1054)	50 – 550 (68 – 746)	4.05 (1.84)	7.35" (187)	24	3/8" (10)
231HA-2	1/2" square 2" extended anvil	Pistol	8,000	590 (800)	25 – 350 (34 – 475)	6.1 (2.76)	9.13" (236)	22	3/8" (10)
231C	1/2" square	Pistol	8,000	600 (813)	25 – 350 (34 – 475)	5.8 (2.63)	7.3" (185)	22	3/8" (10)
232TGSL	1/2" square	Pistol	10,000	625 (847)	40 – 400 (54 – 544)	6 (2.72)	7.3" (185)	23	3/8" (10)

*P denotes a pin-type socket retainer in drive sizes 3/8" – 1/2" and a through-hole socket retainer in drive sizes 3/4" and above.

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3/4" – 1-1/2" Industrial Impacttools



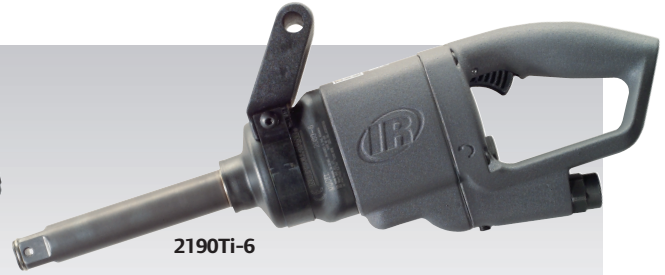
2925P1

- ▶ 3/4" square drive
- ▶ Textured epoxy finish
- ▶ Corrode-X protects components from corrosion
- ▶ Twin-hammer mechanism
- ▶ 3-position power regulation
- ▶ 360° swivel air inlet



3940B2Ti

- ▶ 1" square drive
- ▶ High-efficiency, 7-vane, reverse-bias motor
- ▶ Pressure-fed lubrication system
- ▶ Twin-hammer mechanism
- ▶ Integral muffler
- ▶ Bronze endplates



2190Ti-6

- ▶ Revolutionary tire-change handle designed specifically for high-volume fleet service
- ▶ Now features improved anvil, bushing, and exhaust designs
- ▶ 6" extended anvil
- ▶ Ergonomically designed handle and grip

Model*	Description	Handle	Free Speed rpm	Max Torque ft-lb (Nm)	Recommended Torque Range ft-lb (Nm)	Weight lb (kg)	Length in (mm)	cfm	Recommended Hose Size in (mm)
3/4" SUPER-DUTY									
2925P1	3/4" square	Pistol	5,200	1,450 (1,966)	350 – 1,100 (476 – 1,496)	12.5 (5.7)	8.88" (225)	60	1/2" (13)
2925RBP1	3/4" square reverse bias	Pistol	5,200	F: 1,300 (1,763) R: 1,600 (2,169)	400 – 1,400 (542 – 1,898)	12.5 (5.7)	8.88" (225)	60	1/2" (13)
3/4" HEAVY-DUTY									
1720P1	3/4" square	Pistol	5,500	1,000 (1,360)	200 – 600 (271 – 814)	11.88 (5.39)	7.63" (194)	40	1/2" (13)
3/4" MAINTENANCE-DUTY									
2141P	3/4" square reverse bias	Pistol	7,250	F: 1,000 (1,356) R: 1,200 (1,627)	200 – 900 (271 – 1,220)	7 (3.2)	8.2" (208)	40	1/2" (13)
1" SUPER-DUTY									
2925P3	1" square	Pistol	5,200	1,450 (1,966)	350 – 1,100 (475 – 1,492)	11.88 (5.39)	8.88" (225)	60	1/2" (13)
2925RBP3	1" square reverse bias	Pistol	5,200	F: 1,300 (1,763) R: 1,600 (2,169)	400 – 1,400 (407 – 1,763)	11.88 (5.39)	8.88" (225)	60	1/2" (13)
3940B2Ti	1" square reverse bias	Grip I.T.	6,000	F: 2,500 (3,390) R: 2,750 (3,730)	500 – 1,650 (680 – 2,240)	21.2 (9.6)	13.5" (343)	75	3/4" (19)
3940P2Ti	1" square reverse bias	Pistol	5,300	F: 2,500 (3,390) R: 2,750 (3,730)	500 – 1,650 (680 – 2,440)	20.4 (9.3)	10.1" (256)	75	3/4" (19)
3942B2Ti	1" square reverse bias	Grip I.T.	5,000	F: 2,750 (3,390) R: 3,250 (4,406)	1,000 – 1,950 (1,356 – 2,644)	22.6 (10.5)	14.3" (362)	95	3/4" (19)
1" HEAVY-DUTY									
1712B2	1" square	Grip I.T.	6,000	1,400 (1,898)	450 – 1,000 (612 – 1,860)	18.25 (8.28)	11.25" (286)	47	3/4" (19)
1712P2	1" square	Pistol	6,000	1,350 (1,830)	450 – 1,000 (612 – 1,860)	18.25 (8.28)	11.25" (286)	56	3/4" (19)
1" MAINTENANCE-DUTY									
2190Ti-6	1" square 6" extended anvil	Grip I.T.	6,800	1,650 (2,237)	150 – 1,200 (204 – 1,627)	15.5 (7.03)	21.48" (546)	58	1/2" (13)
285B-6	1" square 6" extended anvil	Grip I.T.	5,000	1,475 (2,000)	100 – 900 (136 – 1,220)	27.8 (12.61)	20.1" (511)	45	1/2" (13)
280-S-6	#5 splined 6" extended anvil	Grip I.T.	6,000	1,600 (2,169)	150 – 1,000 (204 – 1,360)	23.8 (10.80)	18.5" (470)	55	1/2" (13)
1-1/2" SUPER-DUTY									
3955B2Ti	1-1/2" square reverse bias	Grip I.T.	2,750	F: 4,700 (6,372) R: 5,000 (6,779)	1,600 – 3,900 (2,169 – 5,288)	34.6 (15.7)	16.5" (419.1)	80	3/4" (19)

*P denotes a pin-type socket retainer in drive sizes 3/8" – 1/2" and a through-hole socket retainer in drive sizes 3/4" and above.
IT = Inside trigger OT = Outside trigger