

RING TYPE STRAIGHT SLUGGING WRENCHES

(Conforming to DIN 7444)

Metric Size Part No.	A/F Size (mm)	American Size Part No.	A/F Size (inch)	Approx. Head Depth	Approx. Head Dia.	Approx. OAL (mm)
GSW-24	24	GSW-15/16	15/16"	15	43	165
GSW-25	25	GSW-1	1"	15	43	165
GSW-27	27	GSW-1.1/16	1.1/16"	16	46	180
GSW-29	29	GSW-1.1/8	1.1/8"	16	46	180
GSW-30	30	GSW-1.3/16	1.3/16"	17	52	190
GSW-32	32	GSW-1.1/4	1.1/4"	17	52	190
GSW-33	33	GSW-1.5/16	1.5/16"	17	52	190
GSW-35	35	GSW-1.3/8	1.3/8"	18	58	205
GSW-36	36	GSW-1.7/16	1.7/16"	18	58	205
GSW-38	38	GSW-1.1/2	1.1/2"	18	58	205
GSW-41	41	GSW-1.5/8	1.5/8"	20	66	230
GSW-43	43	GSW-1.11/16	1.11/16"	20	66	230
GSW-44	44	GSW-1.3/4	1.3/4"	22	74	240
GSW-46	46	GSW-1.13/16	1.13/16"	22	74	240
GSW-47	47	GSW-1.7/8	1.7/8"	22	74	240
GSW-50	50	GSW-2	2"	24	80	255
GSW-52	52	GSW-2.1/16	2.1/16"	24	80	255
GSW-55	55	GSW-2.3/16	2.3/16"	25	86	270
GSW-57	57	GSW-2.1/4	2.1/4"	25	86	270
GSW-60	60	GSW-2.3/8	2.3/8"	26	93	280
GSW-62	62	GSW-2.7/16	2.7/16"	26	93	280
GSW-63	63	GSW-2.1/2	2.1/2"	26	93	280
GSW-65	65	GSW-2.9/16	2.9/16"	30	102	300
GSW-67	67	GSW-2.5/8	2.5/8"	30	102	300
GSW-70	70	GSW-2.3/4	2.3/4"	33	110	330
GSW-71	71	GSW-2.13/16	2.13/16"	33	110	330
GSW-75	75	GSW-2.15/16	2.15/16"	33	110	330
GSW-76	76	GSW-3	3"	33	110	330
GSW-80	80	GSW-3.1/8	3.1/8"	36	126	360
GSW-85	85	GSW-3.1/4	3.1/4"	36	126	360
GSW-90	90	GSW-3.5/8	3.5/8"	40	142	390
GSW-95	95	GSW-3.3/4	3.3/4"	40	142	390
GSW-97	97	GSW-3.7/8	3.7/8"	45	155	420
GSW-100	100	GSW-4	4"	45	155	420
GSW-105	105	GSW-4.1/8	4.1/8"	45	155	420
GSW-110	110	GSW-4.1/4	4.1/4"	48	170	450
GSW-115	115	GSW-4.1/2	4.1/2"	48	170	450
GSW-120	120	GSW-4.3/4	4.3/4"	54	182	480
GSW-125	125	GSW-4.7/8	4.7/8"	54	182	480
-	-	GSW-5	5"	54	182	480
GSW-130	130	GSW-5.1/8	5.1/8"	58	202	520
GSW-135	135	GSW-5.1/4	5.1/4"	58	202	520
GSW-140	140	GSW-5.1/2	5.1/2"	58	210	520

OPEN TYPE STRAIGHT SLUGGING WRENCHES

(Conforming to DIN 133)

Metric Size Part No.	A/F Size (mm)	American Size Part No.	A/F Size (inch)	Approx. Head Depth	Approx. Head Dia.	Approx. OAL (mm)
GSWO-24	24	GSWO-15/16	15/16"	16	56	180
GSWO-25	25	GSWO-1	1"	16	56	180
GSWO-27	27	GSWO-1.1/16	1.1/16"	16	56	180
GSWO-29	29	GSWO-1.1/8	1.1/8"	16	56	180
GSWO-30	30	GSWO-1.3/16	1.3/16"	17	62	190
GSWO-32	32	GSWO-1.1/4	1.1/4"	17	62	190
GSWO-33	33	GSWO-1.5/16	1.5/16"	17	62	190
GSWO-35	35	GSWO-1.3/8	1.3/8"	17.5	76	215
GSWO-36	36	GSWO-1.7/16	1.7/16"	17.5	76	215
GSWO-38	38	GSWO-1.1/2	1.1/2"	17.5	76	215
GSWO-41	41	GSWO-1.5/8	1.5/8"	18.5	86	235
GSWO-43	43	GSWO-1.11/16	1.11/16"	18.5	86	235
GSWO-44	44	GSWO-1.3/4	1.3/4"	18.5	86	235
GSWO-46	46	GSWO-1.13/16	1.13/16"	20	98	255
GSWO-47	47	GSWO-1.7/8	1.7/8"	20	98	255
GSWO-50	50	GSWO-2	2"	21	105	275
GSWO-52	52	GSWO-2.1/16	2.1/16"	21	105	275
GSWO-55	55	GSWO-2.3/16	2.3/16"	23	116	300
GSWO-57	57	GSWO-2.1/4	2.1/4"	23	116	300
GSWO-60	60	GSWO-2.3/8	2.3/8"	24.5	128	320
GSWO-62	62	GSWO-2.7/16	2.7/16"	24.5	128	320
GSWO-63	63	GSWO-2.1/2	2.1/2"	24.5	128	320
GSWO-65	65	GSWO-2.9/16	2.9/16"	27	138	342
GSWO-67	67	GSWO-2.5/8	2.5/8"	27	138	342
GSWO-70	70	GSWO-2.3/4	2.3/4"	30	154	375
GSWO-71	71	GSWO-2.13/16	2.13/16"	30	154	375
GSWO-75	75	GSWO-2.15/16	2.15/16"	30	154	375
GSWO-76	76	GSWO-3	3"	30	154	375
GSWO-80	80	GSWO-3.1/8	3.1/8"	34	174	408
GSWO-85	85	GSWO-3.1/4	3.1/4"	34	174	408
GSWO-90	90	GSWO-3.5/8	3.5/8"	38	194	445
GSWO-95	95	GSWO-3.3/4	3.3/4"	38	194	445
GSWO-97	97	GSWO-3.7/8	3.7/8"	44	215	485
GSWO-100	100	GSWO-4	4"	44	215	485
GSWO-105	105	GSWO-4.1/8	4.1/8"	44	215	485
GSWO-110	110	GSWO-4.1/4	4.1/4"	47	235	510
GSWO-115	115	GSWO-4.1/2	4.1/2"	47	235	510
GSWO-120	120	GSWO-4.3/4	4.3/4"	50	255	545
GSWO-125	125	GSWO-4.7/8	4.7/8"	50	255	545
-	-	GSWO-5	5"	50	255	545
GSWO-130	130	GSWO-5.1/8	5.1/8"	50	255	545
GSWO-135	135	GSWO-5.1/4	5.1/4"	55	275	575
GSWO-140	140	GSWO-5.1/2	5.1/2"	55	275	575

AVAILABLE AS PER IS 4509:1992 ON REQUEST

AVAILABLE AS PER IS 4508:1992 ON REQUEST

SPECIAL SIZES ARE AVAILABLE AGAINST SPECIFIC ORDERS



RING TYPE STRAIGHT SLUGGING WRENCHES



OPEN TYPE STRAIGHT SLUGGING WRENCHES

HEAVY DUTY INSERT SOCKETS

Metric Size Part No.	A/F Size (mm)	American Size Part No.	A/F Size (inch)	Outside Dia.	Apprx. OAL	Bolt Clear. Dia.	Hex Position Length
GINS-24	24	GINS-15/16	15/16"	44.0	65	18	22
-	-	GINS-1	1"	44.0	65	18	22
GINS-27	27	GINS-1.1/16	1.1/16"	48.0	65	20	22
-	-	GINS-1.1/8	1.1/8"	48.0	65	20	22
-	-	GINS-1.3/16	1.3/16"	52.0	65	22	22
GINS-30	30	GINS-1.1/4	1.1/4"	54.0	65	23	22
GINS-32	32	GINS-1.5/16	1.5/16"	54.0	75	24	27
GINS-34	34	GINS-1.3/8	1.3/8"	57.5	75	25	27
GINS-36	36	GINS-1.7/16	1.7/16"	59.0	75	26	27
GINS-38	38	GINS-1.1/2	1.1/2"	59.0	75	28	27
-	-	GINS-1.9/16	1.9/16"	63.5	75	29	27
GINS-41	41	GINS-1.5/8	1.5/8"	67.0	85	29	30
GINS-42	42	GINS-1.11/16	1.11/16"	68.0	85	31	32
GINS-46	46	GINS-1.3/4	1.3/4"	72.0	88	32	33
-	-	GINS-1.13/16	1.13/16"	72.0	88	32	33
-	-	GINS-1.7/8	1.7/8"	74.0	88	34	33
GINS-50	50	GINS-2	2"	78.0	94	37	36
-	-	GINS-2.1/16	2.1/16"	79.0	94	37	36
-	-	GINS-2.1/8	2.1/8"	86.0	96	37	37
GINS-55	55	GINS-2.3/16	2.3/16"	86.0	96	38	37
-	-	GINS-2.1/4	2.1/4"	88.0	96	40	37
-	-	GINS-2.5/16	2.5/16"	89.0	108	41	43
GINS-60	60	GINS-2.3/8	2.3/8"	89.0	108	43	43
-	-	GINS-2.1/2	2.1/2"	95.0	112	43	46
GINS-65	65	GINS-2.9/16	2.9/16"	98.0	112	44	46
-	-	GINS-2.5/8	2.5/8"	98.0	112	46.5	46
-	-	GINS-2.11/16	2.11/16"	99.0	120	46.5	49
GINS-70	70	GINS-2.3/4	2.3/4"	108.0	120	47.5	49
-	-	GINS-2.13/16	2.13/16"	108.0	120	50	49
GINS-75	75	GINS-2.15/16	2.15/16"	109.0	127	52	52
-	-	GINS-3	3"	109.0	127	53	52
-	-	GINS-3.1/8	3.1/8"	115.0	135	55	56
GINS-80	80	GINS-3.3/16	3.3/16"	118.0	135	55	56
-	-	GINS-3.1/4	3.1/4"	118.0	140	58	56
-	-	GINS-3.5/16	3.5/16"	118.0	140	60	56
GINS-85	85	GINS-3.3/8	3.3/8"	128.0	140	60	56
GINS-90	90	GINS-3.1/2	3.1/2"	128.0	145	65	56
GINS-95	95	GINS-3.3/4	3.3/4"	138.0	150	70	62
GINS-100	100	GINS-3.7/8	3.7/8"	138.0	155	75	62
GINS-105	105	GINS-4	4"	148.0	155	75	62
GINS-110	110	GINS-4.1/8	4.1/8"	148.0	180	80	72
GINS-115	115	GINS-4.3/8	4.3/8"	158.0	190	82	77
GINS-120	120	GINS-4.1/2	4.1/2"	169.0	190	86	77
GINS-125	125	GINS-4.3/4	4.3/4"	176.0	190	90	82
GINS-130	130	GINS-4.7/8	4.7/8"	178.0	205	90	82
GINS-135	135	GINS-5.5/16	5.5/16"	186.0	210	100	82
GINS-140	140	GINS-5.1/2	5.1/2"	188.0	210	105	82


HEAVY DUTY INSERT SOCKETS

3/8" HEAVY DUTY DOUBLE HEX INDUSTRIAL SOCKETS

Metric Size Part No.	A/F Size (mm)	American Size Part No.	A/F Size (inch)	Socket End Dia.	Drive End Dia.	Standard Approx. OAL	Deep Approx. OAL
GMS1-6	6	GMS1-1/4	1/4"	10.0	19.0	26	54
GMS1-7	7			11.0	19.0	30	54
GMS1-8	8	GMS1-5/16	5/16"	12.3	19.0	30	54
GMS1-9	9			13.5	19.0	30	54
GMS1-10	10	GMS1-3/8	3/8"	14.8	19.0	30	54
GMS1-11	11	GMS1-7/16	7/16"	17.0	19.0	30	54
GMS1-12	12			18.0	19.0	30	54
GMS1-13	13	GMS1-1/2	1/2"	20.0	20.0	30	54
GMS1-14	14	GMS1-9/16	9/16"	21.0	21.0	30	60
GMS1-15	15			21.0	21.0	30	60
GMS1-16	16	GMS1-5/8	5/8"	23.0	23.0	30	66
GMS1-17	17	GMS1-11/16	11/16"	24.0	24.0	30	66
GMS1-18	18			26.0	26.0	30	66
GMS1-19	19	GMS1-3/4	3/4"	26.0	26.0	30	66
GMS1-20	20			27.3	27.3	30	66
GMS1-21	21	GMS1-13/16	13/16"	28.5	28.5	30	66
GMS1-22	22	GMS1-7/8	7/8"	29.5	29.5	30	66

For Deep Socket, add "D" after GMS1



HEAVY DUTY DOUBLE HEX SOCKETS

3/8" HEAVY DUTY SINGLE HEX IMPACT SOCKETS

Metric Size Part No.	A/F Size (mm)	American Size Part No.	A/F Size (inch)	Socket End Dia.	Drive End Dia.	Standard Approx. OAL	Deep Approx. OAL
GIS1-8	8	GIS1-5/16	5/16"	13.9	19.0	30	54
GIS1-10	10	GIS1-3/8	3/8"	16.4	19.0	30	54
GIS1-11	11	GIS1-7/16	7/16"	17.7	19.0	30	54
GIS1-12	12			19.0	19.0	30	54
GIS1-13	13	GIS1-1/2	1/2"	20.0	20.0	30	54
GIS1-14	14	GIS1-9/16	9/16"	21.4	21.4	30	60
GIS1-15	15	GIS1-5/8	5/8"	23.6	23.6	30	60
GIS1-17	17			25.0	25.0	30	66
GIS1-18	18	GIS1-11/16	11/16"	26.4	26.4	30	66
GIS1-19	19	GIS1-3/4	3/4"	27.7	27.7	30	66

For Deep Socket, add "D" after GIS1



HEAVY DUTY SINGLE HEX SOCKETS

3/8" SWIVEL IMPACT SOCKETS (SINGLE HEX)

Metric Size Part No.	A/F Size (mm)	Approx. O.D. Socket End.	Approx. O.D. Sq. End.	Approx. Broach Depth	Approx. OAL	Bolt Clearance Depth
GSIS1-7	7	12.7	22.0	7	58	15
GSIS1-8	8	13.9	22.0	7	58	15
GSIS1-10	10	16.4	22.0	8	59	16
GSIS1-11	11	17.7	22.0	10	59	16
GSIS1-12	12	19.0	22.0	10	60	17
GSIS1-13	13	20.2	22.0	10	61	18
GSIS1-14	14	21.4	24.0	10	62	19
GSIS1-15	15	22.7	24.0	12	62	19
GSIS1-17	17	25.2	24.0	12.5	62	19



SWIVEL IMPACT SOCKETS (SINGLE HEX)

Black Industrial Finish - Rust Resistant • MOC : Chrome Vanadium Steel

1/2" HEAVY DUTY DOUBLE HEX INDUSTRIAL SOCKETS

Metric Size Part No.	A/F Size (mm)	American Size Part No.	A/F Size (inch)	Socket End Dia.	Drive End Dia.	Approx. OAL	
						S	D
GMS2-8	8			13.6	24.0	38	60.0
GMS2-9	9	GMS2-3/8	3/8"	15.4	24.0	38	60.0
GMS2-10	10			16.1	24.0	38	82.5
GMS2-11	11	GMS2-7/16	7/16"	17.4	24.0	38	82.5
GMS2-12	12			18.6	24.0	38	82.5
GMS2-13	13	GMS2-1/2	1/2"	21.0	24.0	38	82.5
GMS2-14	14	GMS2-9/16	9/16"	22.0	24.0	38	82.5
GMS2-15	15			24.0	24.0	38	82.5
GMS2-16	16	GMS2-5/8	5/8"	25.0	25.0	38	82.5
GMS2-17	17			26.0	26.0	38	82.5
GMS2-18	18	GMS2-11/16	11/16"	27.0	27.0	38	82.5
GMS2-19	19	GMS2-3/4	3/4"	28.0	28.0	38	82.5
GMS2-20	20	GMS2-13/16	13/16"	29.3	29.3	38	82.5
GMS2-21	21			30.5	30.5	38	82.5
GMS2-22	22	GMS2-7/8	7/8"	31.3	31.3	38	82.5
GMS2-23	23			33.0	33.0	42	88.0
GMS2-24	24	GMS2-15/16	15/16"	33.6	33.6	42	88.0
GMS2-25	25	GMS2-1	1"	35.3	35.3	42	88.0
GMS2-26	26			37.0	37.0	42	88.0
GMS2-27	27	GMS2-1.1/16	1.1/16"	37.3	37.3	42	88.0
GMS2-28	28			38.5	38.5	42	88.0
GMS2-29	29	GMS2-1.1/8	1.1/8"	39.9	39.9	42	88.0
GMS2-30	30	GMS2-1.3/16	1.3/16"	41.3	41.3	45	88.0
GMS2-31	31			42.3	42.3	45	88.0
GMS2-32	32	GMS2-1.1/4	1.1/4"	43.6	43.6	48	88.0
GMS2-34	34			46.1	46.1	48	88.0

For Deep Socket, add "D" after GMS2

"S"- STANDARD, "D"- DEEP

1/2" HEAVY DUTY SINGLE HEX IMPACT SOCKETS

Metric Size Part No.	A/F Size (mm)	American Size Part No.	A/F Size (inch)	Socket End Dia.	Drive End Dia.	Approx. OAL	
						S	D
GIS2-8	8			15.5	24.0	38	60.0
GIS2-9	9	GIS2-3/8	3/8"	17.3	24.0	38	82.5
GIS2-10	10			18.0	24.0	38	82.5
GIS2-11	11	GIS2-7/16	7/16"	19.3	24.0	38	82.5
GIS2-12	12			20.5	24.0	38	82.5
GIS2-13	13	GIS2-1/2	1/2"	21.7	24.0	38	82.5
GIS2-14	14	GIS2-9/16	9/16"	23.0	24.0	38	82.5
GIS2-15	15			24.2	25.5	38	82.5
GIS2-16	16	GIS2-5/8	5/8"	25.5	25.5	38	82.5
GIS2-17	17			26.7	26.7	38	82.5
GIS2-18	18	GIS2-11/16	11/16"	27.7	27.7	38	82.5
GIS2-19	19	GIS2-3/4	3/4"	29.2	29.2	38	82.5
GIS2-20	20	GIS2-13/16	13/16"	31.2	31.2	38	82.5
GIS2-21	21			31.5	31.5	38	82.5
GIS2-22	22	GIS2-7/8	7/8"	33.2	33.2	38	82.5
GIS2-23	23			34.2	34.2	42	88.0
GIS2-24	24	GIS2-15/16	15/16"	35.5	35.5	42	88.0
GIS2-25	25	GIS2-1	1"	37.2	37.2	42	88.0
GIS2-26	26			38.0	38.0	42	88.0
GIS2-27	27	GIS2-1.1/16	1.1/16"	39.2	39.2	42	88.0
GIS2-28	28			40.0	40.0	45	88.0
GIS2-29	29	GIS2-1.1/8	1.1/8"	41.2	41.2	45	88.0
GIS2-30	30	GIS2-1.3/16	1.3/16"	43.0	43.0	45	88.0
GIS2-31	31			44.0	44.0	48	88.0
GIS2-32	32	GIS2-1.1/4	1.1/4"	45.5	45.5	48	88.0

For Deep Socket, add "D" after GIS2

"S"- STANDARD, "D"- DEEP



Black Industrial Finish - Rust Resistant • MOC : Chrome Vanadium Steel

REVERSIBLE RATCHET HANDLES

Part No.	Head Width	Head Depth	Approx. OAL (mm)
GRR-3/8	36	15	192
GRR-1/2	45	16.5	250
GRR-3/4	64	29	505
GRR-1	69	33	665



Black Industrial Finish - Rust Resistant • MOC : Chrome Vanadium Steel

SLIDING T-HANDLES

Part No.	Head Width	Head Depth	Approx. OAL (mm)
GSTH-3/8	20	32	250
GSTH-1/2	26	44	300
GSTH-3/4	39	62	500
GSTH-1	48	78	750
GSTH-1.1/2	74	114	920



Specifications subject to change without notice

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Black Industrial Finish - Rust Resistant • MOC : Chrome Vanadium Steel

SWIVEL HANDLES

Part No.	Head Width	Head Depth	Approx. OAL (mm)
GSH-3/8	21	35	245
GSH-1/2	26	44	380
GSH-3/4	41	62	580
GSH-1	44	92	815



Specifications subject to change without notice

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Black Industrial Finish - Rust Resistant • MOC : Chrome Vanadium Steel

ANGLE / L-HANDLES

Part No.	Square Drive	Approx. Dia.	Approx. OAL (mm)
GAH2-165	1/2"	12.7	165
GAH2-210	1/2"	12.7	210



Specifications subject to change without notice

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Black Industrial Finish - Rust Resistant • MOC : Chrome Vanadium Steel

UNIVERSAL IMPACT JOINTS

Part No.	Approx. Drive End Dia.	Approx. OAL (mm)	Approx. Torque Limit (Ft. Lbs.)
GUJ-3/8	24	68	50
GUJ-1/2	28	80	200
GUJ-3/4	41	110	600
GUJ-1	62	158	1520



Specifications subject to change without notice

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Black Industrial Finish - Rust Resistant • MOC : Chrome Vanadium Steel

SPEED BRACES

Part No.	Nom. Sq. Size	Approx.		Approx. OAL (mm)
		Shank Length	Sweep Radius(Max.)	
GSB-3/8	3/8"	125	125	375
GSB-1/2	1/2"	110	127	400



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EXTENSION BARS

Part No.	Square Drive	Approx. OAL(mm)
GEB-1-75	3/8"	75
GEB-1-150	3/8"	150
GEB-1-300	3/8"	300
GEB-2-75	1/2"	75
GEB-2-125	1/2"	125
GEB-2-250	1/2"	250
GEB-3-210	3/4"	210
GEB-3-430	3/4"	430
GEB-4-200	1"	200
GEB-4-400	1"	400
GIEB-5-250	1.1/2"	250
GIEB-5-500	1.1/2"	500
GIEB-6-255	2.1/2"	255
GIEB-6-380	2.1/2"	380
GIEB-6-510	2.1/2"	510



Specifications subject to change without notice

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SCREW DRIVE ADAPTORS

Part No.	Sq. Drive	Width	Blade Thickness	Approx. OAL (mm)
GSSAI-17	3/8	17.4	1.7	28
GSSA2-22	1/2	26	4	43
GSSA2-25	1/2	28	5	43



Specifications subject to change without notice

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3/8" HEX ADAPTORS (INTEGRAL)

Metric Size Part No.	Nom. A/F Size	American Size Part No.	Nom. A/F Size	Drive End. Dia.	Hex. Bit. Length	Approx. OAL (mm)
GHA1-4	4	GHA1-5/32	5/32"	19.0	20.0	44
GHA1-5	5	GHA1-3/16	3/16"	19.0	23.0	47
GHA1-6	6	GHA1-7/32	7/32"	19.0	25.0	49
GHA1-8	8	GHA1-1/4	1/4"	19.0	25.0	49
GHA1-10	10	GHA1-5/16	5/16"	19.0	26.0	50
		GHA1-3/8	3/8"	19.0	26.0	50



1/2" HEX ADAPTORS (INTEGRAL)

Metric Size Part No.	Nom. A/F Size	American Size Part No.	Nom. A/F Size	Drive End. Dia.	Hex. Bit. Length	Approx. OAL (mm)
GHA2-6	6	GHA2-1/4	1/4"	24.0	25	55
GHA2-8	8	GHA2-5/16	5/16"	24.0	25	55
GHA2-10	10	GHA2-3/8	3/8"	26.0	26	57
GHA2-12	12	GHA2-1/2	1/2"	26.0	30	63
GHA2-14	14	GHA2-9/16	9/16"	26.0	30	63
GHA2-17	17	GHA2-5/8	5/8"	26.0	40	73

3/4" HEX ADAPTORS (INTEGRAL)

Metric Size Part No.	Nom. A/F Size	American Size Part No.	Nom. A/F Size	Drive End. Dia.	Hex. Bit. Length	Approx. OAL (mm)
GHA3-12	12	GHA3-1/2	1/2"	38	30	80
GHA3-14	14	GHA3-9/16	9/16"	38	30	80
GHA3-17	17	GHA3-5/8	5/8"	41	40	90
GHA3-19	19	GHA3-3/4	3/4"	41	45	95
GHA3-22	22	GHA3-7/8	7/8"	41	45	95
GHA3-24	24			43	50	100

1" HEX ADAPTORS (INTEGRAL)

Metric Size Part No.	Nom. A/F Size	American Size Part No.	Nom. A/F Size	Drive End. Dia.	Hex. Bit. Length	Approx. OAL (mm)
GHA4-17	17	GHA4-5/8	5/8"	54	40	100
GHA4-19	19	GHA4-3/4	3/4"	54	45	107
GHA4-22	22	GHA4-7/8	7/8"	54	45	112
GHA4-24	24	GHA4-15/16	15/16"	54	45	112
GHA4-27	27	GHA4-1	1"	54	50	120
GHA4-30	30	GHA4-1.1/16	1.1/16"	54	50	120
GHA4-32	32	GHA4-1.1/8	1.1/8"	58	50	120
GHA4-36	36	GHA4-1.7/16	1.7/16"	58	50	120

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SQUARE DRIVE ADAPTORS

Part No.	Square Drive		Drive End Dia.	Approx. OAL (mm)	Approx. Torque Limit (Ft. Lbs.)
	Female	Male			
GSA-1	1/4"	3/8"	14.0	28	24
GSA-2	3/8"	1/4"	19.0	32	24
GSA-3	3/8"	1/2"	19.0	38	100
GSA-4	1/2"	3/8"	24.0	40	100
GSA-5	3/4"	1/2"	39.0	58	250
GSA-6	1/2"	3/4"	26.0	50	250
GSA-7	1.1/2"	2.1/2"	86.0	135	5900
GSA-8	2.1/2"	1.1/2"	127.0	165	5900
GSA-9	3/4"	1"	44.0	65	673
GSA-10	1"	3/4"	54.0	70	673
GSA-11	1"	1.1/2"	58.0	90	1629
GSA-12	1.1/2"	1"	85.0	110	1629



3/8" CROW FOOT WRENCHES

Metric Part No.	A/F Size	American Part No.	A/F Size	OAL (mm)	Width (mm)
GCW1-8	8	GCW1-5/16	5/16"	32	20
GCW1-9	9	GCW1-3/8	3/8"	32	20
GCW1-10	10	GCW1-13/32	13/32"	32	21
GCW1-11	11	GCW1-7/16	7/16"	33	23
GCW1-12	12			34	25
GCW1-13	13	GCW1-1/2	1/2"	36	27
GCW1-14	14	GCW1-9/16	9/16"	39	30
GCW1-15	15	GCW1-19/32	19/32"	40	32
GCW1-16	16	GCW1-5/8	5/8"	42	33
GCW1-17	17			44	37
GCW1-18	18	GCW1-11/16	11/16"	45	38
GCW1-19	19	GCW1-3/4	3/4"	47	40
GCW1-20	20	GCW1-25/32	25/32"	52	43
GCW1-21	21	GCW1-13/16	13/16"	52	43
GCW1-22	22	GCW1-7/8	7/8"	55	46
GCW1-23	23	GCW1-15/16	15/16"	58	49
GCW1-24	24			58	49
GCW1-25	25	GCW1-1	1"	60	51
GCW1-26	26			61	52
GCW1-27	27	GCW1-1.1/16	1.1/16"	62	53

3/4" CROW FOOT WRENCHES

Metric Part No.	A/F Size	American Part No.	A/F Size	OAL	Width
GCW3-19	19	GCW3-3/4	3/4"	63	48
GCW3-22	22	GCW3-7/8	7/8"	66	54
GCW3-24	24	GCW3-1	1"	69	58
GCW3-27	27	GCW3-1.1/16	1.1/16"	71	67
GCW3-30	30	GCW3-1.1/8	1.1/8"	75	75
GCW3-32	32	GCW3-1.1/4	1.1/4"	76	80
GCW3-36	36	GCW3-1.7/16	1.7/16"	81	90
GCW3-38	38	GCW3-1.1/2	1.1/2"	83	95
GCW3-41	41	GCW3-1.5/8	1.5/8"	88	100
GCW3-46	46	GCW3-1.13/16	1.13/16"	96	105
GCW3-50	50	GCW3-2	2"	101	110
GCW3-55	55	GCW3-2.1/4	2.1/4"	106	115
GCW3-60	60	GCW3-2.3/8	2.3/8"	115	120

1/2" CROW FOOT WRENCHES

Metric Part No.	A/F Size	American Part No.	A/F Size	OAL	Width
GCW2-10	10	GCW2-3/8	3/8"	43	23
GCW2-11	11	GCW2-7/16	7/16"	44	25
GCW2-12	12	GCW2-1/2	1/2"	45	27
GCW2-13	13			46	29
GCW2-14	14	GCW2-9/16	9/16"	47	32
GCW2-15	15	GCW2-5/8	5/8"	49	34
GCW2-16	16			52	36
GCW2-17	17	GCW2-11/16	11/16"	52	39
GCW2-18	18			55	40
GCW2-19	19	GCW2-3/4	3/4"	57	43
GCW2-20	20	GCW2-25/32	25/32"	62	45
GCW2-21	21			62	46
GCW2-22	22	GCW2-7/8	7/8"	65	48
GCW2-23	23	GCW2-15/16	15/16"	70	52
GCW2-24	24	GCW2-1	1"	70	52
GCW2-27	27	GCW2-1.1/16	1.1/16"	70	53
GCW2-30	30	GCW2-1.3/16	1.3/16"	71	60
GCW2-32	32	GCW2-1.1/4	1.1/4"	78	63
GCW2-36	36	GCW2-1.7/16	1.7/16"	80	73
GCW2-38	38	GCW2-1.1/2	1.1/2"	81	83
GCW2-41	41	GCW2-1.5/8	1.5/8"	83	83
GCW2-46	46	GCW2-1.13/16	1.13/16"	91	91
GCW2-50	50	GCW2-2	2"	94	101



NOTE

1. Intermediate sizes and tools in 1/4" Sq. Drive can be supplied against specific orders.
2. Socket sets in Metric and Inch sizes are available with or without Driving accessories.

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3/8" SINGLE HEX IMPACT EXTENSION SOCKETS

Part No.	Nom. A/F Size	Socket End. Dia.	Drive End. Dia.	Broach Depth	Bolt Clearance Depth	Approx. OAL(mm)
GIES1-7X100	7	12.7	19.0	8.0	12	100
GIES1-7X150	7	12.7	19.0	8.0	12	150
GIES1-7X200	7	12.7	19.0	8.0	12	200
GIES1-7X250	7	12.7	19.0	8.0	12	250
GIES1-8X100	8	13.9	19.0	9.5	14	100
GIES1-8X150	8	13.9	19.0	9.5	14	150
GIES1-8X200	8	13.9	19.0	9.5	14	200
GIES1-8X250	8	13.9	19.0	9.5	14	250
GIES1-10X100	10	16.4	19.0	10.5	15	100
GIES1-10X150	10	16.4	19.0	10.5	15	150
GIES1-10X200	10	16.4	19.0	10.5	15	200
GIES1-10X250	10	16.4	19.0	10.5	15	250
GIES1-11X100	11	17.7	20.0	10.5	15	100
GIES1-11X150	11	17.7	20.0	10.5	15	150
GIES1-11X200	11	17.7	20.0	10.5	15	200
GIES1-11X250	11	17.7	20.0	10.5	15	250
GIES1-12X100	12	19.0	20.0	12.5	17	100
GIES1-12X150	12	19.0	20.0	12.5	17	150
GIES1-12X200	12	19.0	20.0	12.5	17	200
GIES1-12X250	12	19.0	20.0	12.5	17	250
GIES1-13X100	13	20.0	20.0	12.5	17	100
GIES1-13X150	13	20.0	20.0	12.5	17	150
GIES1-13X200	13	20.0	20.0	12.5	17	200
GIES1-13X250	13	20.0	20.0	12.5	17	250
GIES1-14X100	14	21.4	22.0	15.0	20	100
GIES1-14X150	14	21.4	22.0	15.0	20	150
GIES1-14X200	14	21.4	22.0	15.0	20	200
GIES1-14X250	14	21.4	22.0	15.0	20	250

1/2" SINGLE HEX IMPACT EXTENSION SOCKETS

Part No.	Nom. A/F Size	Socket End. Dia.	Drive End. Dia.	Broach Depth	Bolt Clearance Depth	Approx. OAL
GIES2-10X100	10	18.0	24	10.5	15	100
GIES2-10X150	10	18.0	24	10.5	15	150
GIES2-10X200	10	18.0	24	10.5	15	200
GIES2-10X250	10	18.0	24	10.5	15	250
GIES2-11X100	11	19.2	24	10.5	15	100
GIES2-11X150	11	19.2	24	10.5	15	150
GIES2-11X200	11	19.2	24	10.5	15	200
GIES2-11X250	11	19.2	24	10.5	15	250
GIES2-12X100	12	20.5	24	12.5	17	100
GIES2-12X150	12	20.5	24	12.5	17	150
GIES2-12X200	12	20.5	24	12.5	17	200
GIES2-12X250	12	20.5	24	12.5	17	250
GIES2-13X100	13	21.7	24	12.5	17	100
GIES2-13X150	13	21.7	24	12.5	17	150
GIES2-13X200	13	21.7	24	12.5	17	200
GIES2-13X250	13	21.7	24	12.5	17	250
GIES2-14X100	14	23.0	24	15.0	20	100
GIES2-14X150	14	23.0	24	15.0	20	150
GIES2-14X200	14	23.0	24	15.0	20	200
GIES2-14X250	14	23.0	24	15.0	20	250
GIES2-17X100	17	26.7	26	17.0	22	100
GIES2-17X150	17	26.7	26	17.0	22	150
GIES2-17X200	17	26.7	26	17.0	22	200
GIES2-17X250	17	26.7	26	17.0	22	250
GIES2-19X100	19	29.2	28	19.0	24	100
GIES2-19X150	19	29.2	28	19.0	24	150
GIES2-19X200	19	29.2	28	19.0	24	200
GIES2-19X250	19	29.2	28	19.0	24	250
GIES2-21X100	21	31.7	28	19.0	24	100
GIES2-21X150	21	31.7	28	19.0	24	150
GIES2-21X200	21	31.7	28	19.0	24	200
GIES2-21X250	21	31.7	28	19.0	24	250
GIES2-22X100	22	33.0	30	19.0	24	100
GIES2-22X150	22	33.0	30	19.0	24	150
GIES2-22X200	22	33.0	30	19.0	24	200
GIES2-22X250	22	33.0	30	19.0	24	250
GIES2-23X100	23	34.2	30	22.0	27	100
GIES2-23X150	23	34.2	30	22.0	27	150
GIES2-23X200	23	34.2	30	22.0	27	200
GIES2-23X250	23	34.2	30	22.0	27	250
GIES2-24X100	24	35.5	30	22.0	27	100
GIES2-24X150	24	35.5	30	22.0	27	150
GIES2-24X200	24	35.5	30	22.0	27	200
GIES2-24X250	24	35.5	30	22.0	27	250
GIES2-27X100	27	39.2	30	22.0	27	100
GIES2-27X150	27	39.2	30	22.0	27	150
GIES2-27X200	27	39.2	30	22.0	27	200
GIES2-27X250	27	39.2	30	22.0	27	250



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3/8" STUD TIGHTENERS

Metric

Part No.	Nom. Stud. Size & Pitch	Stud. End. Dia.	Drive End. Dia.	Thread Length	Approx. OAL(mm)
GST1-6x1	M 6X1	11.4	19.0	10	40
GST1-7x1	M 7X1	12.7	19.0	10	40
GST1-8x1	M 8X1	13.9	19.0	12	40
GST1-8x1.25	M 8X1.25	13.9	19.0	12	40
GST1-10x1.25	M 10X1.25	16.4	19.0	14	40
GST1-10x1.5	M 10X1.5	16.4	19.0	14	40

3/4" STUD TIGHTENERS

Metric

Part No.	Nom. Size Pitch	Stud. End. Dia.	Drive End. Dia.	Thread Length	Approx. OAL(mm)
GST3-16X2	M16X2	30.5	41	20	65
GST3-20X2.5	M20X2.5	35.0	41	24	75
GST3-24X3	M24X3	40.5	44	27	80
American / British					
GST3-5/8UNF	5/8"UNF	30.5	41	20	65
GST3-5/8BSF	5/8"BSF	30.5	41	20	65
GST3-3/4UNF	3/4"UNF	34.0	41	24	75
GST3-3/4BSF	3/4"BSF	34.0	41	24	75
GST3-7/8UNF	7/8"UNF	34.0	41	24	75
GST3-7/8BSF	7/8"BSF	34.0	41	24	75
GST3-1UNF	1"UNF	40.5	44	24	75
GST3-1BSF	1"BSF	40.5	44	24	75

1/2" STUD TIGHTENERS

Metric Size Part No.	Nom. Stud. Size & Dia.	American Size Part No.	Nom. Stud. Size & Dia.	Stud. End. Dia.	Drive End. Dia.	Thread Length	Approx. OAL(mm)
GST2-6x1	M6x1	GST2-1/4UNF	1/4"UNF	13.3	24	10	44
GST2-7x1	M7x1	GST2-1/4BSF	1/4"BSF	13.3	24	10	44
GST2-8x1.25	M8x1.25	GST2-5/16UNF	5/16"UNF	15.5	24	12	46
GST2-8x1	M8x1	GST2-5/16BSF	5/16"BSF	15.5	24	12	46
GST2-10x1.5	M10x1.5	GST2-3/8UNF	3/8"UNF	18.0	26	14	50
GST2-10x1.25	M10x1.25	GST2-3/8BSF	3/8"BSF	18.0	26	14	50
GST2-12x1.75	M12x1.75	GST2-1/2UNF	1/2"UNF	21.3	26	17	54
GST2-12x1.25	M12x1.25	GST2-1/2BSF	1/2"BSF	21.3	26	17	54
GST2-14x2	M14x2	GST2-9/16UNF	9/16"UNF	23.0	26	18	57
GST2-14x1.5	M14x1.5	GST2-9/16BSF	9/16"BSF	23.0	26	18	57
GST2-16x2	M16x2	GST2-5/8UNF	5/8"UNF	26.0	26	20	59
GST2-16x1.5	M16x1.5	GST2-5/8BSF	5/8"BSF	26.0	26	20	59



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HEX DRIVERS / NUT RUNNERS

Specifications

Straight Type

Part No.	Nom. A/F Size	Socket End Dia.	Broach Depth	Bolt Clearance	Hex Drive Size	Approx. OAL(mm)
GHD0 7/75	7	11.2	7	25	1/4"	75
GHD0 7/100	7	11.2	7	25	1/4"	100
GHD0 7/150	7	11.2	7	25	1/4"	150
GHD0 8/75	8	12.5	7	25	1/4"	75
GHD0 8/100	8	12.5	7	25	1/4"	100
GHD0 8/150	8	12.5	7	25	1/4"	150
GHD0 9/75	9	13.7	8	25	1/4"	75
GHD0 9/100	9	13.7	8	25	1/4"	100
GHD0 9/150	9	13.7	8	25	1/4"	150
GHD0 10/75	10	15.3	8	25	1/4"	75
GHD0 10/100	10	15.3	8	25	1/4"	100
GHD0 10/150	10	15.3	8	25	1/4"	150
GHD0 11/75	11	16.5	8	25	1/4"	75
GHD0 11/100	11	16.5	8	25	1/4"	100
GHD0 11/150	11	16.5	8	25	1/4"	150
GHD0 12/75	12	17.8	10	25	1/4"	75
GHD0 12/100	12	17.8	10	25	1/4"	100
GHD0 12/150	12	17.8	10	25	1/4"	150
GHD0 13/75	13	19.0	10	25	1/4"	75
GHD0 13/100	13	19.0	10	25	1/4"	100
GHD0 13/150	13	19.0	10	25	1/4"	150

Specifications

Swivel Type

Part No.	Nom. A/F Size	Socket End Dia.	Broach Depth	Bolt Clearance	Hex Drive Size	Approx. OAL(mm)
GSHD0 10/75	10	16.0	8	25	1/4"	75
GSHD0 10/100	10	16.0	8	25	1/4"	100
GSHD0 10/150	10	16.0	8	25	1/4"	150
GSHD0 11/75	11	17.0	8	25	1/4"	75
GSHD0 11/100	11	17.0	8	25	1/4"	100
GSHD0 11/150	11	17.0	8	25	1/4"	150
GSHD0 12/75	12	17.8	10	25	1/4"	75
GSHD0 12/100	12	17.8	10	25	1/4"	100
GSHD0 12/150	12	17.8	10	25	1/4"	150
GSHD0 13/75	13	19.0	10	25	1/4"	75
GSHD0 13/100	13	19.0	10	25	1/4"	100
GSHD0 13/150	13	19.0	10	25	1/4"	150
GSHD0 14/75	14	21.4	10	25	1/4"	75
GSHD0 14/100	14	21.4	10	25	1/4"	100
GSHD0 14/150	14	21.4	10	25	1/4"	150
GSHD0 16/75	16	23.9	12	25	1/4"	75
GSHD0 16/100	16	23.9	12	25	1/4"	100
GSHD0 16/150	16	23.9	12	25	1/4"	150
GSHD0 17/75	17	25.2	12	25	1/4"	75
GSHD0 17/100	17	25.2	12	25	1/4"	100
GSHD0 17/150	17	25.2	12	25	1/4"	150

HEAVY DUTY PIPE WRENCHES

- ♦ **GRIPHOLD®** Heavy Duty Pipe Wrenches have been designed to is-4003 (part ii)-1986
- ♦ Heavy Duty Handles are made of SG iron and aluminium alloy for maximum strength
- ♦ Movable and fix jaws are made of high strength alloy steel for longer life
- ♦ Handle has been designed to ensure easy and untiring grip
- ♦ Knurled adjustable nut has been used to ensure easy setting
- ♦ Spring set has been designed for gripholding movable jaws
- ♦ Metallurgy of SG iron handle is as per is-1865-1991
- ♦ Torque test/load test is done as per is-4003 (part ii)-1986
- ♦ Percentage elongation test for the handles is done as per is-1865-1991



Specifications

Part No.		Nominal Size		Pipe Capacity		Approx. Weight (In kgs.)		Proof Torque/ Bending Moment
Aluminium Cast	SG. Iron	Inch	(mm)	Min. (mm)	Max. (mm)	Aluminium Cast	SG Iron	(N.m.)
GA-300	G-300	12	(300)	14	63	1.0	1.3	1470
GA-350	G-350	14	(350)	14	63	1.1	1.4	1470
GA-450	G-450	18	(450)	27	75	1.9	2.7	2265
GA-600	G-600	24	(600)	27	90	2.8	4.5	3265
GA-900	G-900	36	(900)	38	140	5.2	8.8	5090
GA-1200	G-1200	48	(1200)	50	165	8.6	16.0	5890

CHAIN PIPE WRENCHES

- ♦ Forged Steel Jaws and Handle for max. strength.
- ♦ Good quality flat link chain for good grip of pipe.

Part No.	Nominal Size	Pipe Capacity		Approx. Length (mm)
		Min.(mm)	Max.(mm)	
GP - 45A	2" (50mm)	10	60	510
GP - 45B	3" (80mm)	15	90	710
GP - 45C	4" (100mm)	27	115	920
GP - 45D	6" (150mm)	35	165	1100
GP - 45E	8" (200mm)	50	220	1250
GP - 45G	12" (300mm)	50	300	1610



Specifications subject to change without notice

e-mail: info@griphold.com • website: www.griphold.com

SPECIAL RATCHETING SPANNERS FOR GEAR CASE BOLT OF ELECTRIC LOCOMOTIVES

These special spanners have been developed for tightening and opening of Gear Case Bolts of the Electric Locomotives.

These special spanners have the following salient features:

1. The Spanners are with Ratchet Pawl Mechanisms
2. The Spanners can be used to open and tighten the bolt with the help of Reverse and Forward Mechanism of the Ratchet System by changing the position of the pawl
3. The Spanners are bi-hexagonal for easy gripping of the bolt head and both side open to facilitate working from both sides
4. The body has been designed to suit the easy operation of the tool at the specified location
5. Components of the tool have been hardened and tempered to ensure wear resistance and long life
6. All components are made from chrome vanadium steel
7. All components have been surface-treated to ensure non-suting and pitting
8. The spanners have been tested satisfactorily at a load of 200 Kgf. M.



SPECIFICATIONS

Model No.	Nominal A/F Size (mm)	Handle Length (mm)	Head Length (mm)	Head Depth (mm)	Overall Length (mm) (Kgf.M.)	Torque Capacity (Kgs)	Approx. Weight
GRS-55/R	55	500	200	46	650	145	6.5
GRS-60/R	60	500	200	46	650	187	6.5

GRIPHOLD TOOL KITS

GRIPHOLD tool kits are designed for maintenance and servicing of heavy earth moving machinery, fertilizer plants, thermal/gas/hydel power plants, cement plants, chemical/petrochemical plants, gas & oil exploration and mining equipment and various other high torque applications.

GRIPHOLD tool sets also consist of sockets in 1/2" and 3/4" square drive in SAE as well as metric sizes, driving accessories in 1/2" and 3/4" square and click type adjustable torque wrenches up to a capacity of 250 ft. lbs.

GRIPHOLD tool sets are supplied in a suitable heavy-duty tool box with padlock. The tool box is made from compressed steel sheet of 18/20 gauge, painted in red auto enamelled and oven baked for high durability.

We can also manufacture and supply tool kits as per the customer's design and specifications.



Part No. : GTK155 - MECHANICAL SERVICE TOOL KIT	(155 TOOLS)
Part No. : GTK144 - MECHANICAL SERVICE TOOL KIT	(144 TOOLS)
Part No. : GTK234 - MASTER MECHANIC SERVICE TOOL KIT	(234 TOOLS)
Part No. : GTK131 - DRILLING SERVICE TOOL KIT	(131 TOOLS)
Part No. : GTK124 - GARAGE MAINTENANCE TOOL KIT	(124 TOOLS)
Part No. : GTK135 - GARAGE MAINTENANCE TOOL KIT	(135 TOOLS)

GRIPHOLD TOOL CHEST

GRIPHOLD heavy-duty red enamelled tool chest is provided with four pull out drawers, tote tray. Partitions are provided in the drawers to separate tools for convenience, while the top compartment under the tote tray has plenty of space. This chest is suitable to carry more than 150 tools depending upon the size of tools.

This chest is made from heavy gauge steel sheet and its joint are spot welded with full line piano type hinges. The chest has reinforced lid. Its robust construction withstands the impacts in fields and provides the long life. The tool chest is supplied with a sturdy padlock.

GTC - 155/144/131/124/135 Size : 800 x 500 x 625
GTC - 234 Size : 800 x 500 x 850



GRIPHOLD® TOOL BOX

GRIPHOLD® heavy-duty tool box is made from compressed steel sheet of 18/20 gauges, painted in red, auto enamelled and oven baked. It has small compartments and a tote tray. The tool box has welded construction with a spot welded sturdy single handle across its length, for easy handling. The lid is fitted with full piano type hinges, which are closely spot-welded. The tool box is supplied with a sturdy padlock.

GTB - 13 Size : 457 x 203 x 150

We can also manufacture and supply tool chest / box as per the customer's design and specifications.

