

PLAURA



Technische Daten
Technical data

Maßsystem imperial · *Imperial system*



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DEA/DEM



Maße (inch) dimensions (inch)

Typ/Type	A	B	C	D	E	F	G	■ inch
DEA 08 TLX/TSX	21.97	4.72	3.23	2.91	4.92	2.24	0.95	³ / ₄
DEA 12 TLX/TSX	23.35	4.72	3.23	2.91	5.12	2.44	1.06	1
DEA 17 TLX/TSX	23.62	4.72	3.23	3.66	5.52	2.40	1.06	1
DEA 28 TLX/TSX	25.52	4.72	3.23	3.86	5.91	2.87	1.06	1
DEA 47 TLX/TSX	26.30	4.72	3.23	3.90	6.38	3.39	1.58	1 1/2
DEA 65 TLX/TSX	28.20	4.72	3.23	4.72	8.58	3.86	1.65	1 1/2
DEA 80 TSX	29.25	4.72	4.33	4.33	11.89	3.98	1.65	1 1/2

TLX: Gehäuse des Planetenradgetriebes aus leichtem Aluminium

TSX: Gehäuse des Planetenradgetriebes aus Stahl

TLX: Housing of planetary drive made of lightweight aluminium

TSX: Housing of planetary drive made of steel

Typ/Type	A	B	C	D	E	F	G	■ inch
DEM 08 TLX/TSX	21.81	4.72	3.23	2.91	4.92	2.24	0.95	³ / ₄
DEM 12 TLX/TSX	22.00	4.72	3.23	2.91	5.12	2.44	1.06	1
DEM 17 TLX/TSX	22.28	4.72	3.23	3.66	5.52	2.40	1.06	1
DEM 28 TLX/TSX	24.17	4.72	3.23	3.86	5.91	2.76	1.06	1
DEM 47 TLX/TSX	24.96	4.72	3.23	3.90	6.38	3.31	1.58	1 1/2
DEM 65 TLX/TSX	26.81	4.72	3.23	4.72	8.58	3.86	1.65	1 1/2
DEM 80 TSX	27.87	4.72	4.33	4.33	11.89	3.92	1.65	1 1/2

Leistungsspektrum / power spectrum

DEA

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Leerlauf (U/min) idling (rpm)*	Drehzahl/Speed Lastgang (U/min) loaded (rpm)*	Gewicht/ Weight TLX / TSX
DEA 08 TLX/TSX	221.4-590.4 lbf ft	80.0	13.5	14.3 / 16.06 lbs
DEA 12 TLX/TSX	295.2-885.6 lbf ft	41.0	6.9	14.74 / 16.28 lbs
DEA 17 TLX/TSX	442.8-1254.6 lbf ft	33.8	5.6	16.94 / 19.36 lbs
DEA 28 TLX/TSX	885.6-2066.4 lbf ft	12.9	2.1	20.68 / 24.64 lbs
DEA 47 TLX/TSX	1254.6-3468.6 lbf ft	8.3	1.4	22.44 / 26.18 lbs
DEA 65 TLX/TSX	1476-4797 lbf ft	7.6	1.2	30.58 / 38.06 lbs
DEA 80 TSX	2066.4-5904 lbf ft	6.3	0.9	- / 40.04 lbs

DEM

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Gang 1 (U/min) gear 1 (rpm)*	Drehzahl/Speed Gang 2 (U/min) gear 2 (rpm)*	Gewicht/ Weight TLX / TSX
DEM 08 TLX/TSX	221.4-590.4 lbf ft	64.0	20.5	12.32 / 14.08 lbs
DEM 12 TLX/TSX	258.3-885.6 lbf ft	33.0	10.5	12.76 / 14.3 lbs
DEM 17 TLX/TSX	295.2-1254.6 lbf ft	27.0	8.5	14.96 / 17.38 lbs
DEM 28 TLX/TSX	369-2066.4 lbf ft	10.5	3.2	18.7 / 22.66 lbs
DEM 47 TLX/TSX	590.4-3468.6 lbf ft	6.7	2.1	20.46 / 24.42 lbs
DEM 65 TLX/TSX	738-4797 lbf ft	6.1	1.9	30.58 / 26.08 lbs
DEM 80 TSX	1107-5904 lbf ft	5.0	1.5	- / 38.24 lbs

**TLX: Gehäuse des Planeten-
radgetriebes aus leichtem
Aluminium**

**TSX: Gehäuse des Planeten-
radgetriebes aus Stahl**

**TLX: Housing of planetary
drive made of lightweight
aluminium**

**TSX: Housing of planetary
drive made of steel**

DEAW

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Leerlauf (U/min) idling (rpm)*	Drehzahl/Speed Lastgang (U/min) loaded (rpm)*	Gewicht/ Weight TLX / TSX
DEAW 08 TLX/TSX	221.4-590.4 lbf ft	59.0	10.0	18.04 / 19.8 lbs
DEAW 12 TLX/TSX	295.2-885.6 lbf ft	32.0	6.0	18.48 / 20.0 lbs
DEAW 17 TLX/TSX	442.8-1254.6 lbf ft	25.0	4.0	20.68 / 23.1 lbs
DEAW 28 TLX/TSX	885.6-2066.4 lbf ft	10.0	1.6	24.42 / 28.38 lbs
DEAW 47 TLX/TSX	1254.6-3468.6 lbf f	6.5	1.0	26.18 / 30.58 lbs
DEAW 65 TLX/TSX	1476-4797 lbf ft	5.3	0.8	34.32 / 41.8 lbs
DEAW 80 TSX	2066.4-5904 lbf ft	4.7	0.6	- / 43.78 lbs

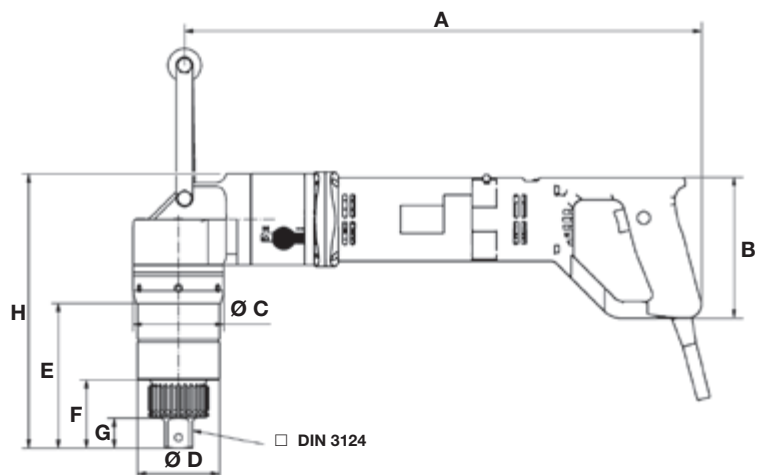
DEMW

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Gang 1 (U/min) gear 1 (rpm)*	Drehzahl/Speed Gang 2 (U/min) gear 2 (rpm)*	Gewicht/ Weight TLX / TSX
DEMW 08 TLX/TSX	221.4-590.4 lbf ft	48.0	15.0	16.06 / 17.82 lbs
DEMW 12 TLX/TSX	258.3-885.6 lbf ft	23.0	8.0	16.5 / 18.04 lbs
DEMW 17 TLX/TSX	295.2-1254.6 lbf ft	20.0	6.5	18.7 / 21.12 lbs
DEMW 28 TLX/TSX	369-2066.4 lbf ft	8.0	2.5	22.44 / 26.4 lbs
DEMW 47 TLX/TSX	590.4-3468.6 lbf ft	5.0	1.5	24.42 / 28.16 lbs
DEMW 65 TLX/TSX	738-4797 lbf ft	4.6	1.4	32.34 / 39.82 lbs
DEMW 80 TSX	1107-5904 lbf ft	3.7	1.1	- / 42.02 lbs

* Bei Antriebszahl / with input speed:
DE 08 - DE 65:
14.000 U/min. / 14.000 rpm..
DE 80:
18.000 U/min. / 18.000 rpm.

Leistungsdaten gelten nur für
Schrauber mit 220/230 Volt. /
Performance data is valid only to
Nutrunners with 220/230 volts.

Gewichte ohne Abstützung. /
Weight without reaction arm.



Maße (inch)
dimensions (inch)

Typ/Type	A	B	C	D	E	F	G	H	■ inch
DEAW 08 TLX/TSX	20.08	4.72	3.23	2.91	4.92	2.24	0.95	9.6	3/4
DEAW 12 TLX/TSX	20.08	4.72	3.23	2.91	5.12	2.44	1.06	9.7	1
DEAW 17 TLX/TSX	20.08	4.72	3.23	3.66	5.52	2.40	1.06	10.2	1
DEAW 28 TLX/TSX	20.08	4.72	3.23	3.86	5.91	2.87	1.06	11.9	1
DEAW 47 TLX/TSX	20.08	4.72	3.23	3.90	6.38	3.39	1.58	12.9	1 1/2
DEAW 65 TLX/TSX	20.08	4.72	3.23	4.72	8.58	3.86	1.65	14.0	1 1/2
DEAW 80 TSX	20.08	4.72	4.33	4.33	11.89	3.98	1.65	15.7	1 1/2

TLX: Gehäuse des Planetenradgetriebes aus leichtem Aluminium

TSX: Gehäuse des Planetenradgetriebes aus Stahl

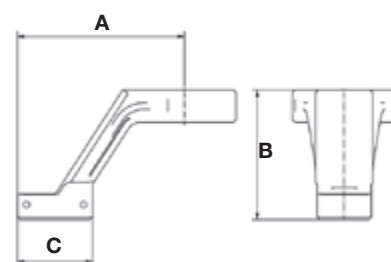
TLX: Housing of planetary drive made of lightweight aluminium

TSX: Housing of planetary drive made of steel

Typ/Type	A	B	C	D	E	F	G	H	■ inch
DEMW 08 TLX/TSX	18.74	4.72	3.23	2.91	4.92	2.24	0.95	9.6	3/4
DEMW 12 TLX/TSX	18.74	4.72	3.23	2.91	5.12	2.44	1.06	9.7	1
DEMW 17 TLX/TSX	18.74	4.72	3.23	3.66	5.52	2.40	1.06	10.2	1
DEMW 28 TLX/TSX	18.74	4.72	3.23	3.86	5.91	2.76	1.06	11.9	1
DEMW 47 TLX/TSX	18.74	4.72	3.23	3.90	6.38	3.31	1.58	12.9	1 1/2
DEMW 65 TLX/TSX	18.74	4.72	3.23	4.72	8.58	3.86	1.65	14.0	1 1/2
DEMW 80 TSX	18.74	4.72	4.33	4.33	11.89	3.92	1.65	15.7	1 1/2

Standard-Abstützungen DE / DP
Standard reaction arm DE / DP

Typ/Type	A	B	C	Gewicht/ Weight	Code Nr./ code no.
DE / DP 08 TLX/TSX	4.33	3.15	1.97	0.55 lbs	F16-003-3-00103
DE / DP 12 TLX/TSX	5.12	3.94	2.36	1.32 lbs	F16-010-3-12203
DE / DP 17 TLX/TSX	5.12	3.94	2.36	1.32 lbs	F16-010-3-12203
DE / DP 28 TLX/TSX	6.69	5.12	2.36	2.2 lbs	F16-025-3-00106
DE / DP 47 TLX/TSX	6.69	5.12	2.36	2.2 lbs	F16-045-3-03605
DE / DP 65 TLX/TSX	7.48	5.91	3.15	4.4 lbs	F16-060-3-02901

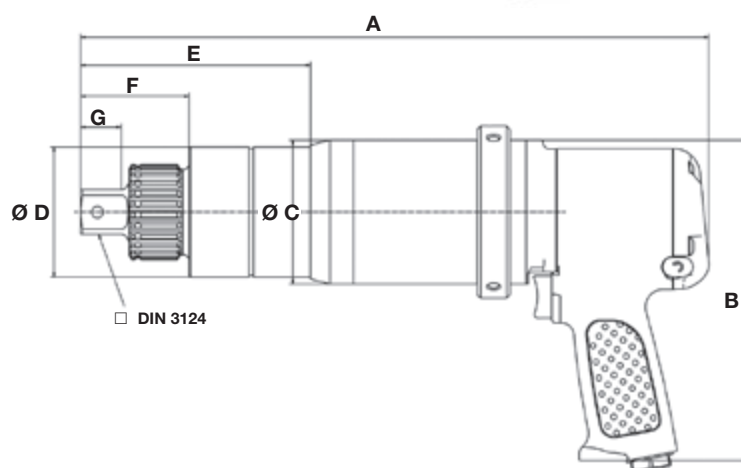


DPA/DPM



Die technischen Daten der DP-ATEX-Modelle entsprechen den Daten der DP-Baureihe.

The technical specifications of the DP-ATEX types are commensurate to those of the DP model range.



Maße (inch) dimensions (inch)

Typ/Type	A	B	C	D	E	F	G	■ inch
DPA 08 TLX/TSX	13.2	7.5	3.2	2.9	4.9	2.3	1.0	3/4
DPA 12 TLX/TSX	13.4	7.5	3.2	2.9	5.1	2.4	1.1	1
DPA 17 TLX/TSX	13.7	7.5	3.2	3.7	5.5	2.4	1.1	1
DPA 28 TLX/TSX	15.5	7.5	3.2	3.9	5.9	2.9	1.1	1
DPA 47 TLX/TSX	17.2	7.5	3.2	3.9	6.4	3.4	1.9	1 1/2
DPA 65 TLX/TSX	18.5	7.5	3.2	4.7	9.0	3.9	1.7	1 1/2

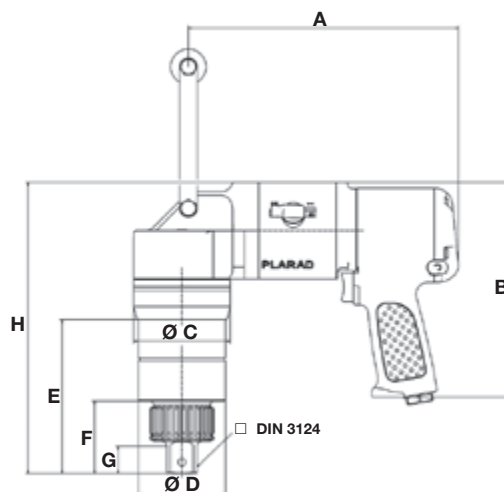
TLX: Gehäuse des Planetenradgetriebes aus leichtem Aluminium

TSX: Gehäuse des Planetenradgetriebes aus Stahl

TLX: Housing of planetary drive made of lightweight aluminium

TSX: Housing of planetary drive made of steel

Typ/Type	A	B	C	D	E	F	G	■ inch
DPM 08 TLX/TSX	12.1	7.5	3.2	2.9	4.9	2.3	1.0	3/4
DPM 12 TLX/TSX	12.3	7.5	3.2	2.9	5.1	2.4	1.1	1
DPM 17 TLX/TSX	12.6	7.5	3.2	3.7	5.5	2.4	1.1	1
DPM 28 TLX/TSX	14.5	7.5	3.2	3.9	5.9	2.9	1.1	1
DPM 47 TLX/TSX	15.9	7.5	3.2	3.9	6.4	3.4	1.6	1 1/2
DPM 65 TLX/TSX	17.1	7.5	3.2	4.7	8.6	3.9	1.7	1 1/2



Maße (inch)
dimensions (inch)

Typ/Type	A	B	C	D	E	F	G	H	■ inch
DPAW 08 TLX/TSX	10.5	7.5	3.2	2.9	4.9	2.2	1.0	9.6	3/4
DPAW 12 TLX/TSX	10.5	7.5	3.2	2.9	5.1	2.4	1.1	9.7	1
DPAW 17 TLX/TSX	10.5	7.5	3.2	3.7	5.5	2.4	1.1	10.1	1
DPAW 28 TLX/TSX	10.5	7.5	3.2	3.9	5.9	2.9	1.1	11.9	1
DPAW 47 TLX/TSX	10.5	7.5	3.2	3.9	6.4	3.4	1.6	12.9	1 1/2
DPAW 65 TLX/TSX	10.5	7.5	3.2	4.7	8.6	3.9	1.7	14.0	1 1/2

TLX: Gehäuse des Planetenradgetriebes aus leichtem Aluminium

TSX: Gehäuse des Planetenradgetriebes aus Stahl

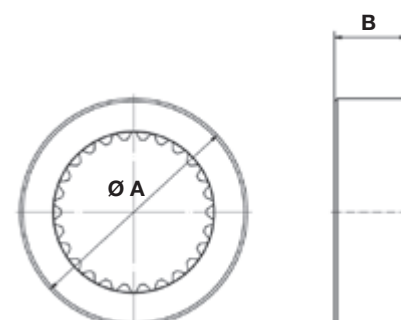
TLX: Housing of planetary drive made of lightweig aluminium

TSX: Housing of planetary drive made of steel

Typ/Type	A	B	C	D	E	F	G	H	■ inch
DPMW 08 TLX/TSX	9.0	7.5	3.2	2.9	4.9	2.3	1.0	9.6	3/4
DPMW 12 TLX/TSX	9.0	7.5	3.2	2.9	5.1	2.4	1.1	9.7	1
DPMW 17 TLX/TSX	9.0	7.5	3.2	3.7	5.5	2.4	1.1	10.1	1
DPMW 28 TLX/TSX	9.0	7.5	3.2	3.9	5.9	2.9	1.1	11.9	1
DPMW 47 TLX/TSX	9.0	7.5	3.2	3.9	6.4	3.4	1.6	12.9	1 1/2
DPMW 65 TLX/TSX	9.0	7.5	3.2	4.7	8.6	3.9	1.7	14.0	1 1/2

Anschweißringe für Abstützungen DE / DP
Welding ring for reaction arms DE / DP

Typ/Type	A	B	Gewicht/ Weight	Code Nr./ code no.
DE / DP 08 TLX/TSX	3	1	1.1 lb	F17-010-3-12401
DE / DP 12 TLX/TSX	3	1	1.1 lb	F17-010-3-12401
DE / DP 17 TLX/TSX	3	1	1.1 lb	F17-010-3-12401
DE / DP 28 TLX/TSX	3.9	1.3	2.4 lb	F17-045-3-02101
DE / DP 47 TLX/TSX	3.9	1.3	2.4 lb	F16-045-3-02101
DE / DP 65 TLX/TSX	4.3	2	3.7 lb	F08-060-3-01401



Leistungsspektrum / power spectrum

DPA

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Leerlauf (U/min) idling (rpm)	Drehzahl/Speed Lastgang (U/min) loaded (rpm)	Gewicht/ Weight TLX / TSX
DPA 08 TLX/TSX	92 – 608 ft lbs	79.0	13.0	12.8 / 14.5 lb
DPA 12 TLX/TSX	200 – 900 ft lbs	41.0	7.0	13.0 / 16.9 lb
DPA 17 TLX/TSX	221 – 1290 ft lbs	34.0	6.0	14.3 / 17.2 lb
DPA 28 TLX/TSX	442 – 2102 ft lbs	15.0	2.5	18.9 / 22.4 lb
DPA 47 TLX/TSX	811 – 3466 ft lbs	11.0	2.0	20.5 / 24.2 lb
DPA 65 TLX/TSX	959 – 4794 ft lbs	8.0	1.4	29.3 / 33.2 lb

DPM

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Gang 1 (U/min) gear 1 (rpm)	Drehzahl/Speed Gang 2 (U/min) gear 2 (rpm)	Gewicht/ Weight TLX / TSX
DPM 08 TLX /TSX	44 – 608 ft lbs	52.0	17.0	9.7 / 11.4 lb
DPM 12 TLX/TSX	60 – 900 ft lbs	27.0	9.0	11.0 / 12.8 lb
DPM 17 TLX/TSX	80 – 1291 ft lbs	24.0	8.0	13.2 / 16.0 lb
DPM 28 TLX/TSX	110 – 2102 ft lbs	10.0	3.2	16.9 / 20.5 lb
DPM 47 TLX/TSX	160 – 3466 ft lbs	8.0	2.7	18.9 / 22.9 lb
DPM 65 TLX/TSX	220 – 4794 ft lbs	6.0	2.0	27.3 / 31.2 lb

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radgetriebes aus leichtem
Aluminium**

**TSX: Gehäuse des Planeten-
radgetriebes aus Stahl**

**TLX: Housing of planetary
drive made of lightweig
aluminium**

**TSX: Housing of planetary
drive made of steel**

DPAW

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Leerlauf (U/min) idling (rpm)	Drehzahl/Speed Lastgang (U/min) loaded (rpm)	Gewicht/ Weight TLX / TSX
DPAW 08 TLX /TSX	92 – 608 ft lbs	70.0	8.0	16.5 / 18.3 lb
DPAW 12 TLX/TSX	200 – 900 ft lbs	36.0	5.0	16.7 / 18.5 lb
DPAW 17 TLX/TSX	221 – 1290 ft lbs	30.0	4.5	19.4 / 22.0 lb
DPAW 28 TLX/TSX	442 – 2102 ft lbs	11.0	2.0	22.7 / 26.2 lb
DPAW 47 TLX/TSX	811 – 3466 ft lbs	8.0	1.5	24.2 / 28.2 lb
DPAW 65 TLX/TSX	960 – 4794 ft lbs	7.0	1.0	33.0 / 35.2 lb

DPMW

Typ/Type	Drehmoment- bereich/ Torque range	Drehzahl/Speed Gang 1 (U/min) gear 1 (rpm)	Drehzahl/Speed Gang 2 (U/min) gear 2 (rpm)	Gewicht/ Weight TLX / TSX
DPMW 08 TLX/TSX	44 – 608 ft lbs	41.0	13.0	14.5 / 16.3 lb
DPMW 12 TLX/TSX	60 – 900 ft lbs	21.0	7.0	14.7 / 16.7 lb
DPMW 17 TLX/TSX	80 – 1291 ft lbs	17.0	6.0	16.9 / 19.8 lb
DPMW 28 TLX/TSX	110 – 2102 ft lbs	7.0	2.5	20.7 / 24.2 lb
DPMW 47 TLX/TSX	160 – 3466 ft lbs	5.0	2.0	22.7 / 26.6 lb
DPMW 65 TLX/TSX	220 – 4749 ft lbs	4.0	1.5	31.0 / 35.0 lb

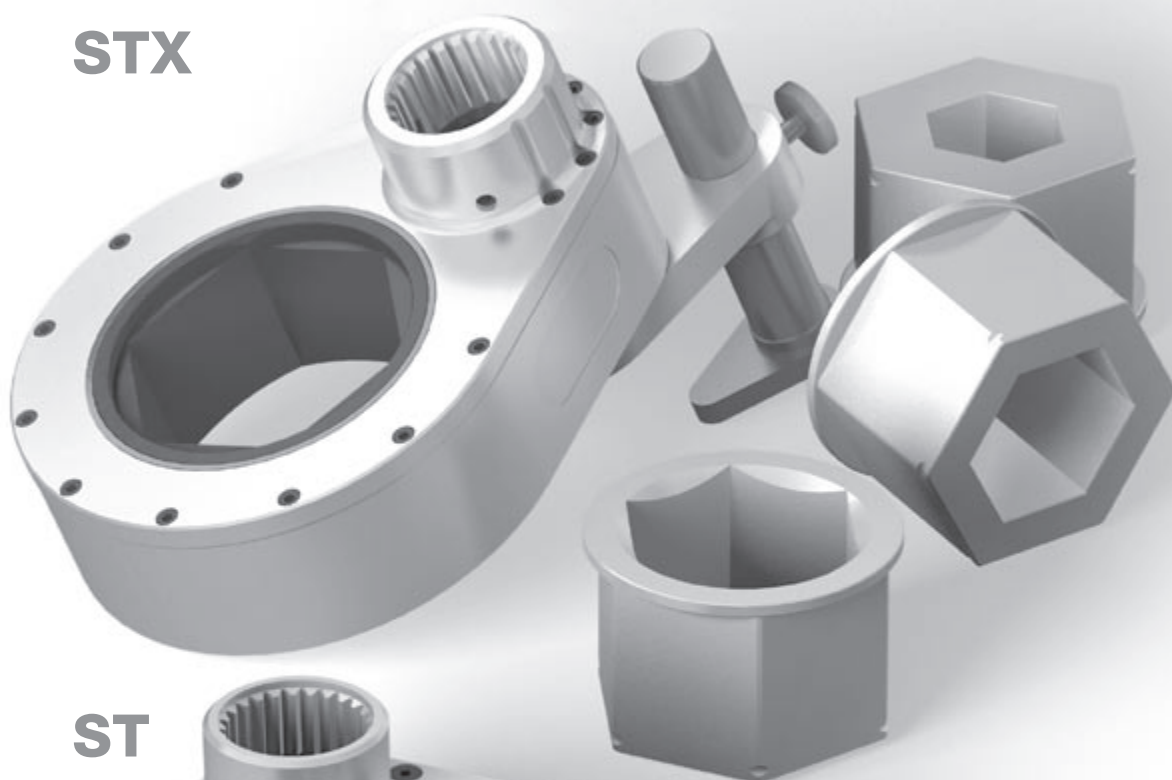
Auf Anfrage auch bis 8856 ft lbs
(12.000 Nm) erhältlich.
On request available up to 8856 ft lbs
(12.000 Nm).

Gewichte ohne Abstützung. /
Weight without reaction arm.

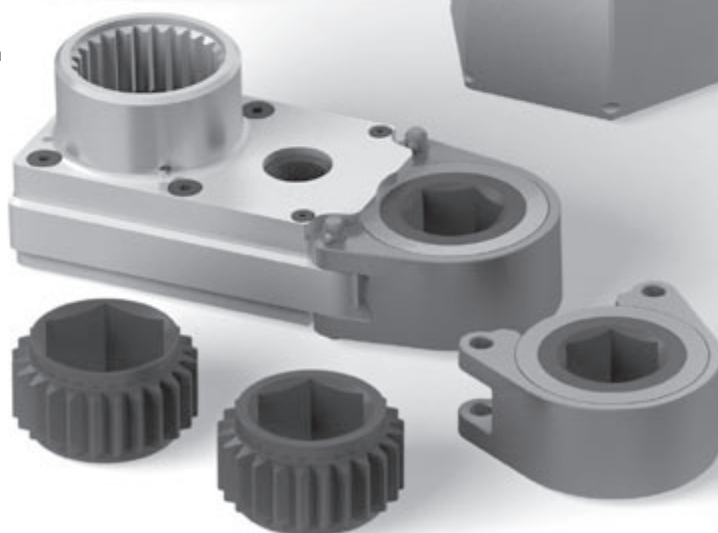
Seitentriebe

Offset gears

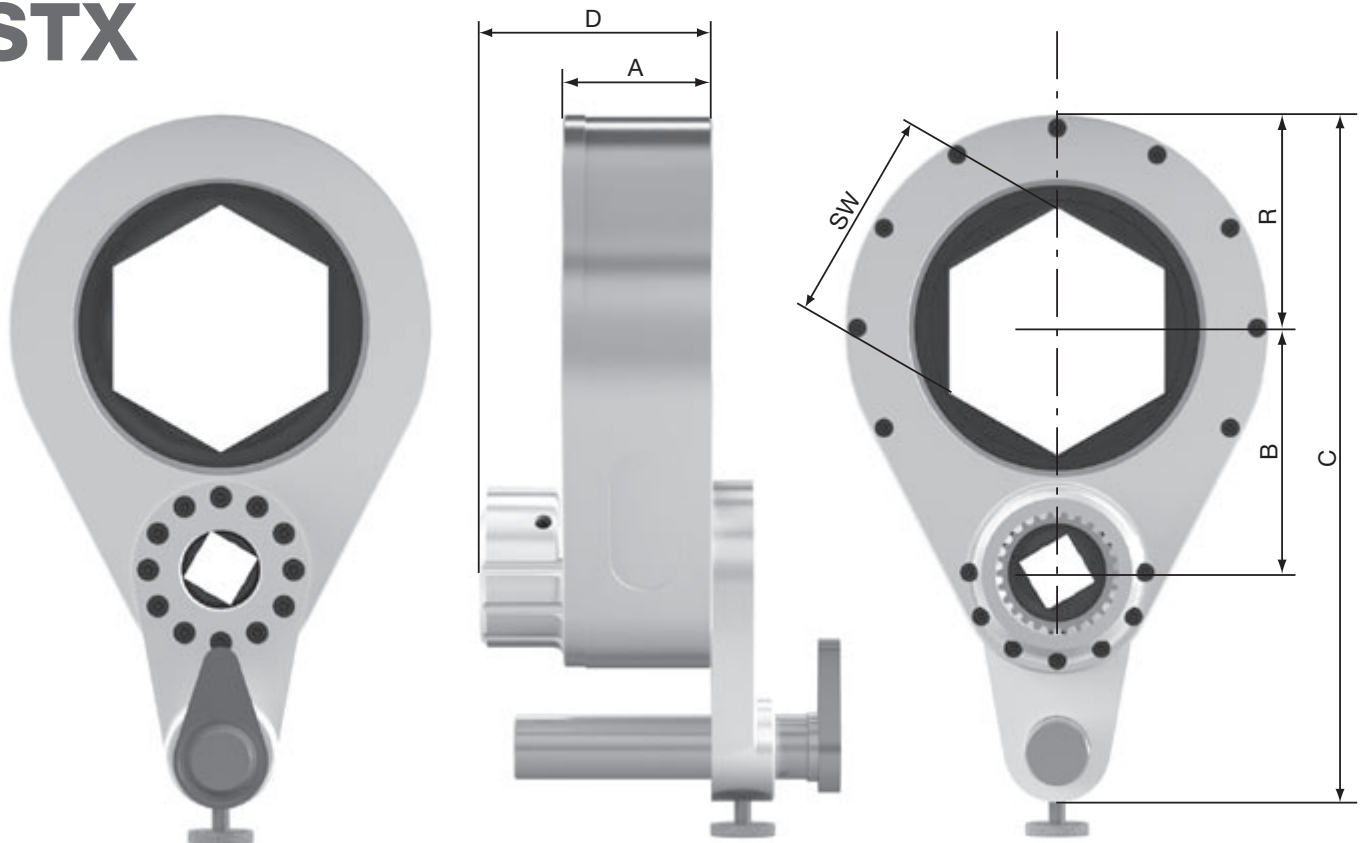
STX



ST

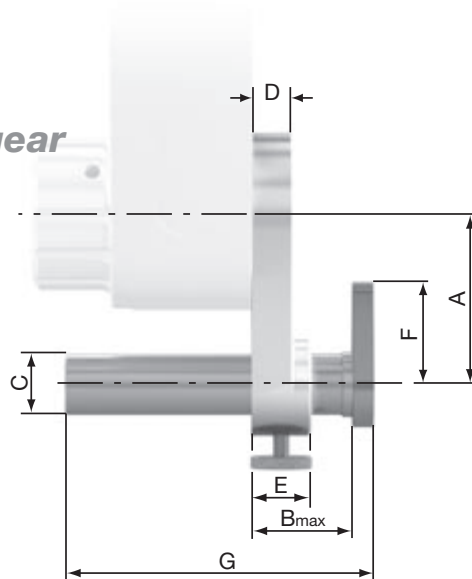


STX



Typ Type	Für Drehschrauber For nut runner	Code Nr. Code no.	SW _{max} A/F _{max} mm	D inch	B inch	C inch	A inch	R inch	MT _{max} fb lbs	Gewicht Weight lbs
STX 05-02 TL	DE 03/DP 03	G10-005-0-00501	46	3.15	2.75	6.69	1.65	2.36	369.0	4.4
STX 22-02 TL	DE 17/DP 17	G10-022-0-00501	65	4.1	3.2	7.49	2.6	2.52	1623.6	7.0
STX 36-02 TL	DE 17/DP 17	G10-036-0-00501	100	4.17	4.38	10.0	2.67	3.82	2656.8	11.4
STX 60-02 TL	DE 28/DP 28	G10-060-0-01001	150	4.53	6.38	14.37	2.91	5.31	4428.0	26.4

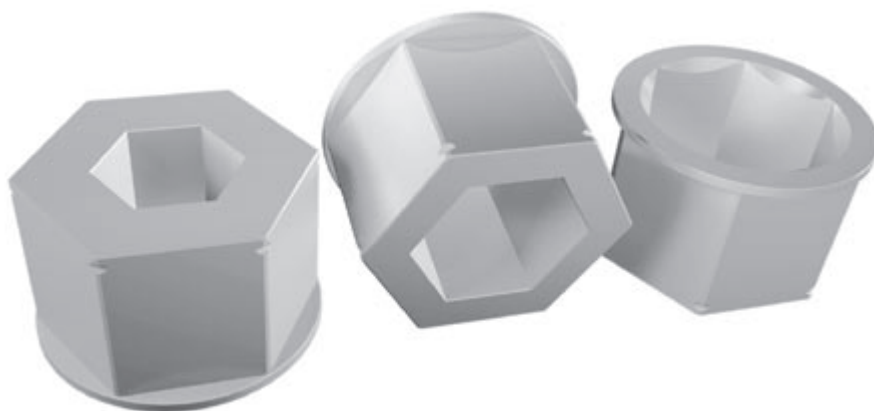
Seitentriebabstützung Reaction arm for offset gear



Typ Type	Code Nr. Code no.	A inch	B _{max} inch	C inch	D inch	E inch	F inch	G inch	Gewicht Weight lbs
STX 05-02 TL	B10-005-1-00101	2.76	3.94	0.6	0.4	0.79	1.38	4.25	1.54
STX 22-02 TL	G10-022-1-00101	3.27	5.51	0.79	0.79	1.18	1.97	5.9	2.64
STX 36-02 TL	G10-036-1-00101	3.27	5.51	1.18	0.79	1.18	1.97	5.9	2.97
STX 60-02 TL	G10-060-1-00101	5.51	6.3	1.57	1.18	1.57	2.76	7.09	5.5

Sechskant-Reduzier- einsatz für STX

*Hexagonal reducing
insert for STX*



STX 05-02 TL

Typ Type	Code Nr. Code no.	SW außen (mm) Outer A/F (mm)	SW innen (mm) Inner A/F (mm)
STX 05-02 H 46/24	F10-005-3-01301	46	24
STX 05-02 H 46/27	F10-005-3-01401	46	27
STX 05-02 H 46/30	F10-005-3-01501	46	30
STX 05-02 H 46/32	F10-005-3-01601	46	32
STX 05-02 H 46/36	F10-005-3-01701	46	36
STX 05-02 H 46/41	F10-005-3-01801	46	41

STX 22-02 TL

Typ Type	Code Nr. Code no.	SW außen (mm) Outer A/F (mm)	SW innen (mm) Inner A/F (mm)
STX 22-02 H 55/24	F10-022-3-01901	55	24
STX 22-02 H 55/30	F10-022-3-01701	55	30
STX 22-02 H 55/32	F10-022-3-01801	55	32
STX 22-02 H 55/36	F10-022-3-01301	55	36
STX 22-02 H 55/41	F10-022-3-01201	55	41
STX 22-02 H 55/46	F10-022-3-01101	55	46

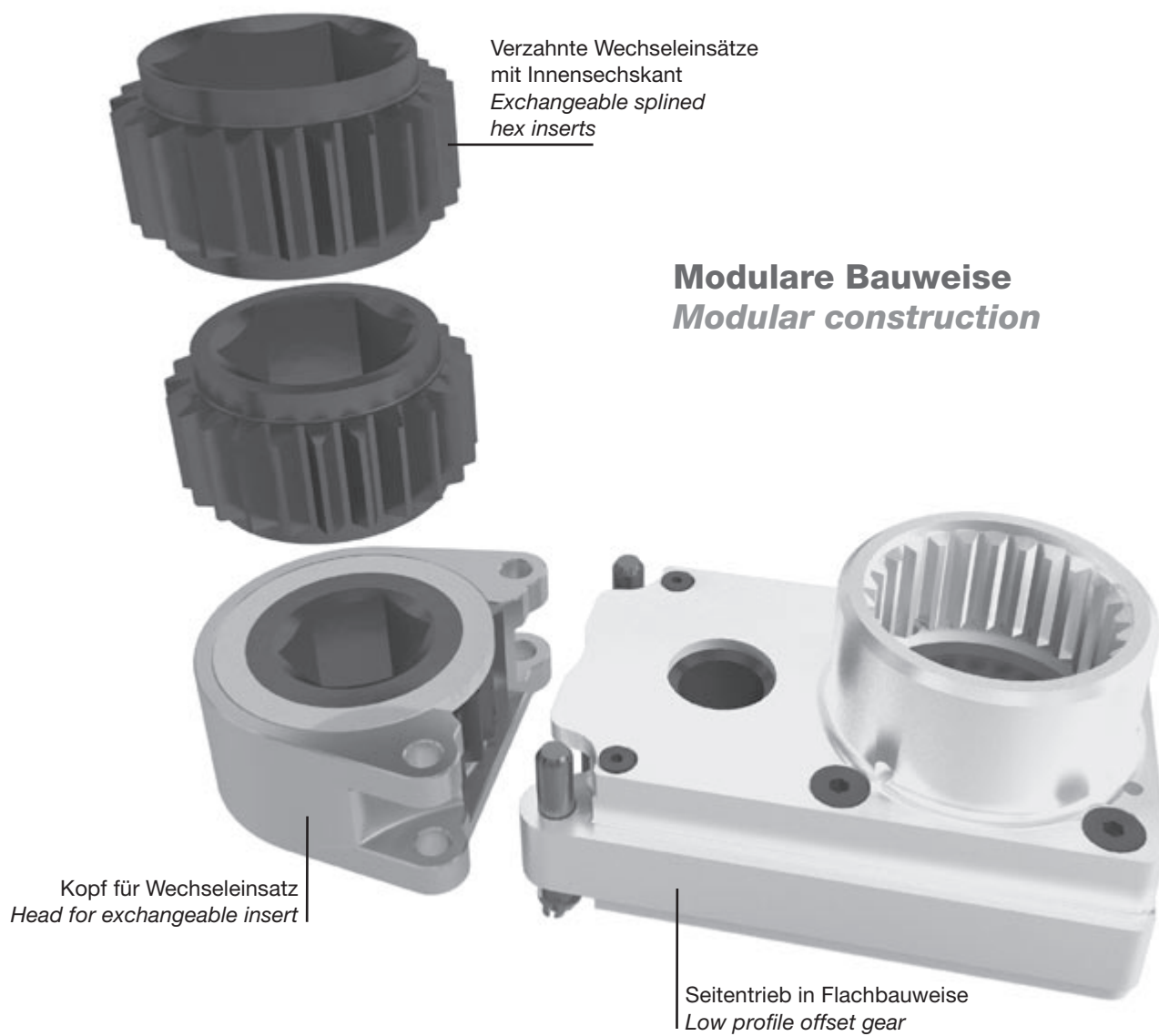
STX 36-02 TL

Typ Type	Code Nr. Code no.	SW außen (mm) Outer A/F (mm)	SW innen (mm) Inner A/F (mm)
STX 36-02 H 100/36	F10-036-3-04402	100	36
STX 36-02 H 100/46	F10-036-3-04302	100	46
STX 36-02 H 100/50	F10-036-3-04702	100	50
STX 36-02 H 100/55	F10-036-3-04002	100	55
STX 36-02 H 100/60	F10-036-3-03902	100	60
STX 36-02 H 100/65	F10-036-3-03802	100	65
STX 36-02 H 100/70	F10-036-3-03702	100	70
STX 36-02 H 100/75	F10-036-3-03602	100	75
STX 36-02 H 100/80	F10-036-3-03502	100	80

STX 60-02 TL

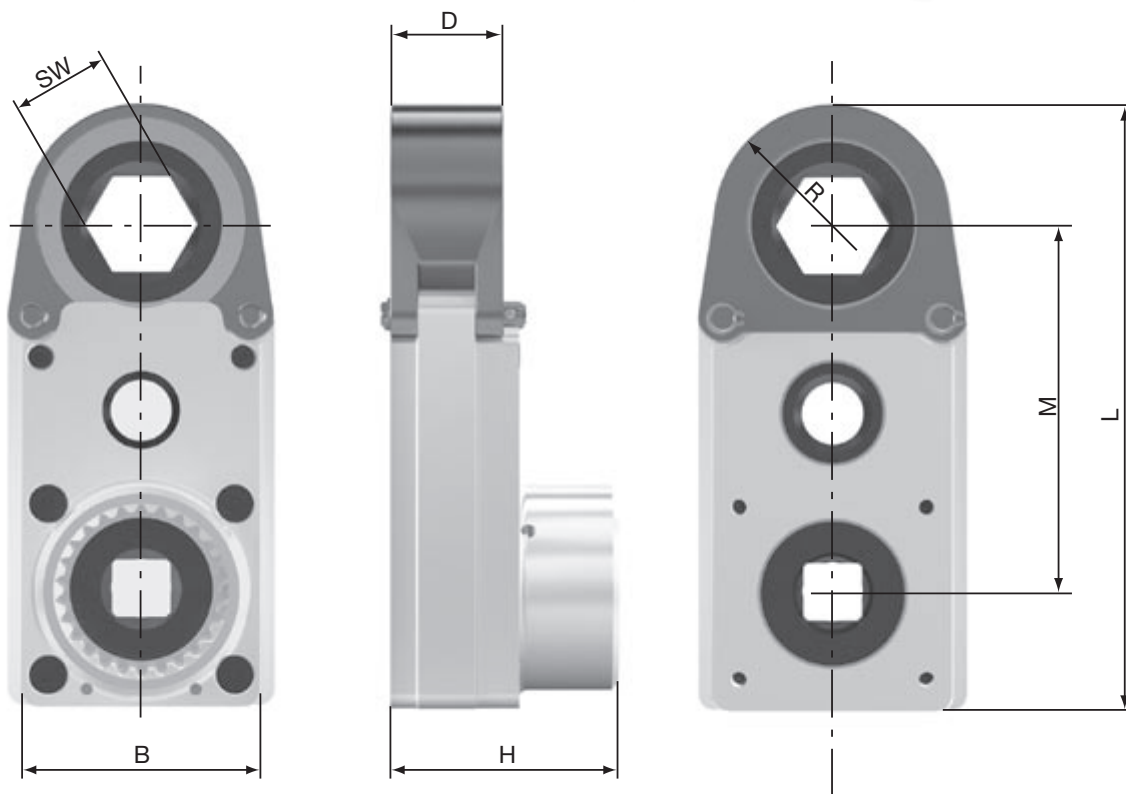
Typ Type	Code Nr. Code no.	SW außen (mm) Outer A/F (mm)	SW innen (mm) Inner A/F (mm)
STX 60-02 H 150/75	F10-060-3-02201	150	75
STX 60-02 H 150/80	F10-060-3-02101	150	80
STX 60-02 H 150/85	F10-060-3-02001	150	85
STX 60-02 H 150/90	F10-060-3-01901	150	90
STX 60-02 H 150/95	F10-060-3-01801	150	95
STX 60-02 H 150/100	F10-060-3-01701	150	100
STX 60-02 H 150/105	F10-060-3-01601	150	105
STX 60-02 H 150/110	F10-060-3-01501	150	110
STX 60-02 H 150/115	F10-060-3-01401	150	115
STX 60-02 H 150/120	F10-060-3-01301	150	120
STX 60-02 H 150/125	F10-060-3-01201	150	125
STX 60-02 H 150/130	F10-060-3-01101	150	130

ST



Typ Type	Code Nr. Code no.	  inch	SW _{max} A/F _{max} mm	Für Drehschrauber For nut runner	Eingangsdrehmoment max. Input torque max. lbf ft
ST 06-03	G10-006-0-00103	3/4	55	DE 08/DP 08	590.4
ST 10-03	G10-010-0-00203	1	75	DE 12/DP 12	885.6
ST 20-03	G10-020-0-00203	1	100	DE 17/DP 17	1254.6
ST 30-03	G10-030-0-00303	1	130	DE 28/DP 28	2066.4

ST 06-03



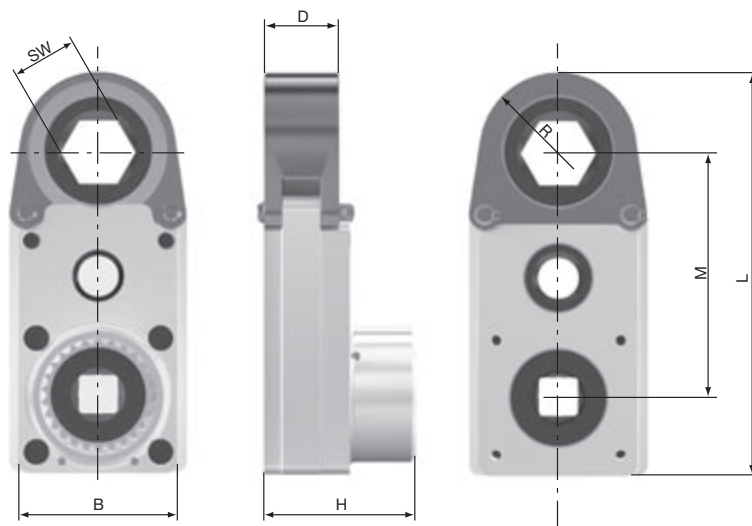
Seitentrieb Offset gear				Kopf für Wechseleinsatz Head for exchangeable inserts				Wechseleinsatz Exchangeable inserts	
				M _{max} (lbf ft) Typ / Type				SW / A/F (mm) Typ / Type	
Typ/Type	B (inch)	D (inch)	H (inch)	Code Nr. / Code no.	L (inch)	M (inch)	R (inch)	Code Nr./Code no.	
ST 06-03	3.39	1.42	2.87	280.5	7.0	4.33	1.18	24	
				WK 06/30				WE 06/30-24	
				B10-006-1-00201				F10-006-3-05501	
								27	
								WE 06/30-27	
								F10-006-3-05601	
								30	
								WE 06/30-30	
								F10-006-3-04501	
				391				32	
				WK 06/41				WE 06/41-32	
				B10-006-1-00101				F10-006-3-05701	
								36	
								WE 06/41-36	
								F10-006-3-05801	
								41	
								WE 06/41-41	
								F10-006-3-04301	
				443	8.17	4.92	1.77	46	
				WK 06/55				WE 06/55-46	
				B10-006-1-00301				F10-006-3-05901	
								50	
								WE 06/55-50	
								F10-006-3-06001	
								55	
								WE 06/55-55	
								F10-006-3-04401	

ST 10-03

Seitentrieb Offset gear				Kopf für Wechseleinsatz Head for exchangeable inserts				Wechseleinsatz Exchangeable inserts
				M _{max} (lbf ft) Typ / Type				SW / A/F (mm) Typ / Type
Typ/Type	B (inch)	D (inch)	H (inch)	Code Nr. / Code no.	L (inch)	M (inch)	R (inch)	Code Nr./Code no.
ST 10-03	4.13	1.65	3.11	465	9.02	5.67	1.54	30
				WK 10/36				WE 10/36-30
				B10-010-1-00101				F10-010-3-05701
								32
								WE 10/36-32
								F10-010-3-05801
								30
								WE 10/36-36
								F10-010-3-04101
				664	9.72	6.02	1.9	46
				WK 10/55				WE 10/55-46
				B10-010-1-00201				F10-010-3-03201
								50
								WE 10/55-50
								F10-010-3-03101
								55
								WE 10/55-55
								F10-010-3-03001
				885.5		6.55	2.46	65
				WK 10/75				WE 10/75-65
				B10-010-1-00301				F10-010-3-05901
								70
								WE 10/75-70
								F10-010-3-06001
								75
								WE 10/75-75
								F10-010-3-04201

ST 20-03

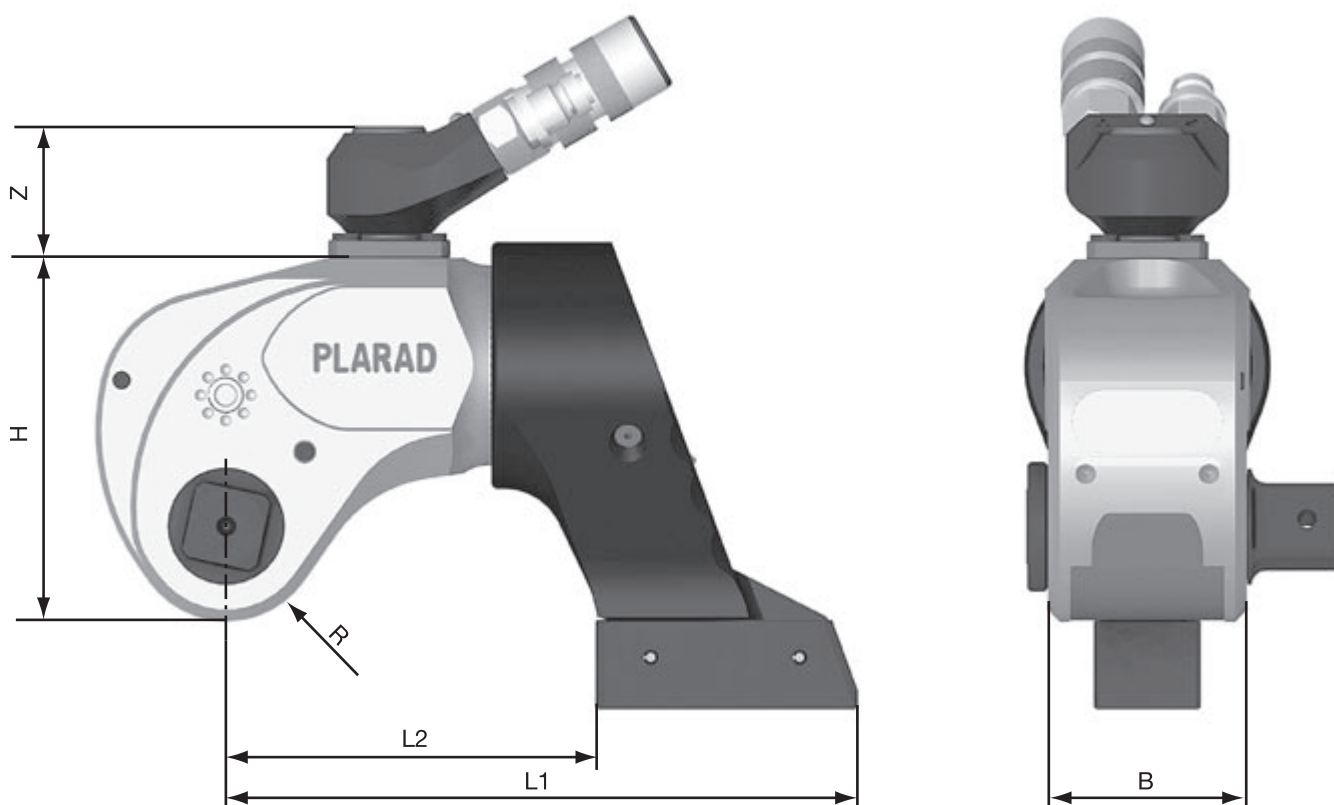
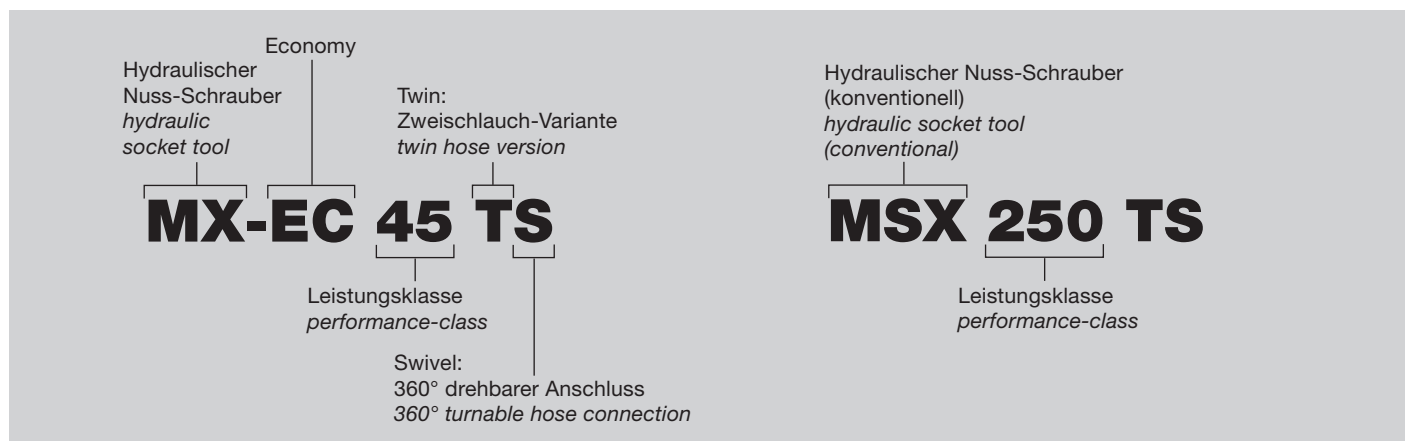
Seitentrieb Offset gear				Kopf für Wechseleinsatz Head for exchangeable inserts				Wechseleinsatz Exchangeable inserts	
				M _{max} (lbf ft) Typ / Type					SW / A/F (mm) Typ / Type
Typ/Type	B (inch)	D (inch)	H (inch)	Code Nr. / Code no.	L (inch)	M (inch)	R (inch)	Code Nr./Code no.	
ST 20-03	5.95	1.97	3.66	664	12.74	8.11	2.17	46	
				WK 20/55				WE 20/55-46	
				B10-020-1-00101				F10-020-3-04001	
								50	
								WE 20/55-50	
								F10-020-3-04101	
								55	
								WE 20/55-55	
								F10-020-3-02601	
				885.5	13.7	8.58	2.66	65	
				WK 20/75				WE 20/75-65	
				B10-020-1-00201				F10-020-3-01301	
								70	
								WE 20/75-70	
								F10-020-3-01201	
								75	
								WE 20/75-75	
								F10-020-3-01101	
				1254.5	14.67	9.06	3.15	90	
				WK 20/100				WE 20/100-90	
				B10-020-1-00301				F10-020-3-04201	
								95	
								WE 20/100-95	
								F10-020-3-04301	
								100	
								WE 20/100-100	
								F10-020-3-02501	



ST 30-03

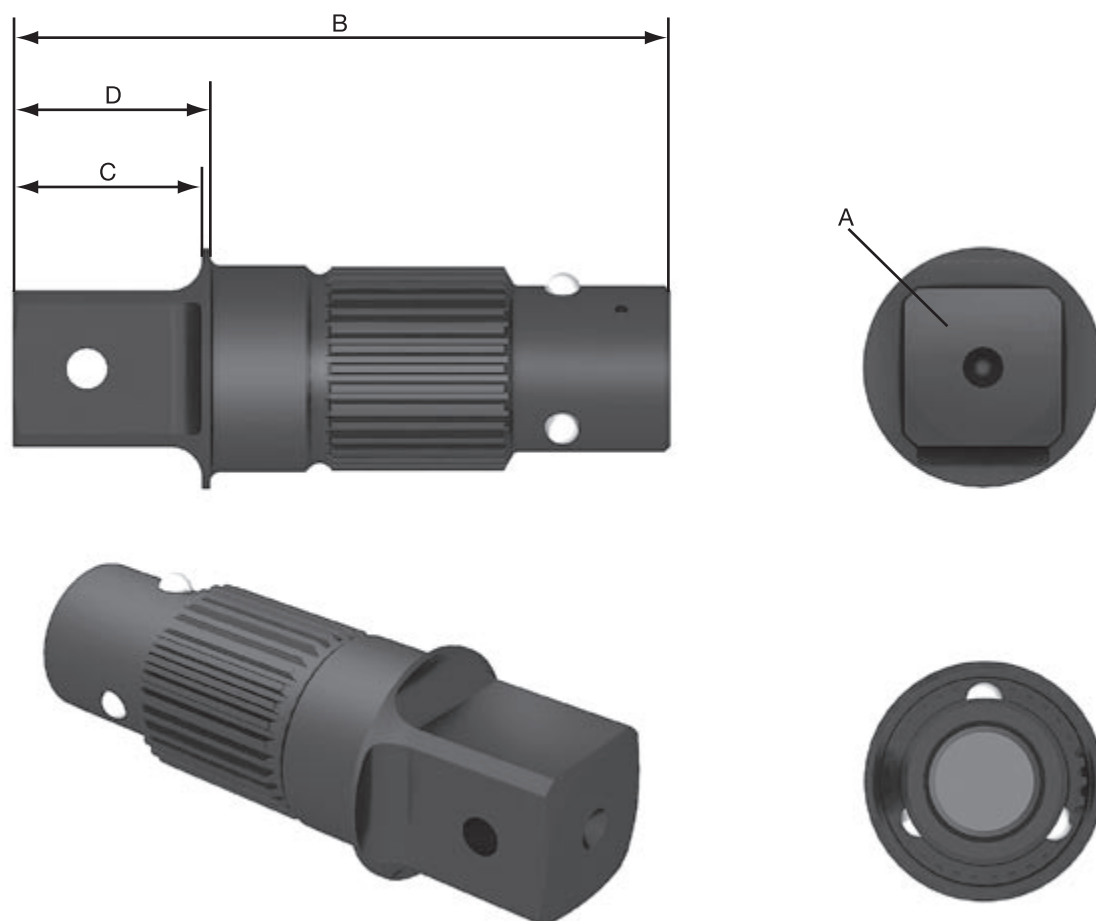
Seitentrieb Offset gear				Kopf für Wechseleinsatz Head for exchangeable inserts				Wechseleinsatz Exchangeable inserts	
				M _{max} (lbf ft) Typ / Type					SW / A/F (mm) Typ / Type
Typ/Type	B (inch)	D (inch)	H (inch)	Code Nr. / Code no.	L (inch)	M (inch)	R (inch)	Code Nr./Code no.	
ST 30-03	7.09	2.36	4.21	1476	10.12	4.41	2.76	65	
				WK 30/75				WE 30/75-65	
				B10-030-1-00301				F10-030-3-03101	
								70	
								WE 30/75-70	
								F10-030-3-03201	
								75	
								WE 30/75-75	
								F10-030-3-03001	
				1992.5		11.08	4.88	3.25	90
				WK 30/100					WE 30/100-90
				B10-030-1-00401					F10-030-3-03401
									95
									WE 30/100-95
									F10-030-3-03501
									100
						WE 30/100-100			
						F10-030-3-03301			
				2583		12.64	5.67	4.02	120
				WK 30/130					WE 30/130-120
				B10-030-1-00501					F10-030-3-03701
									125
	WE 30/130-125								
	F10-010-3-06001								
	75								
	WE 10/75-75								
	F10-030-3-03801								

MX-EC/MSX



Gerät Tool

Typ Type	Antriebsvierkant Square drive	Leistungsbereich Performance range (ft lbs)	L2 - L1 (inch)	B (inch)	H (inch)	R (inch)	Z (inch)	Gewicht Weight (lbs)
MX-EC 20 TS	1 (3/4)	155 - 1550	3.93 - 6.3	1.97	3.66	0.95	1.73	6.38
MX-EC 45 TS	1	332.1 - 3321	4.88 - 8.35	2.64	4.8	1.26	1.73	10.78
MX-EC 75 TS	1 1/2	553.5 - 5535	5.35 - 9.96	3.15	5.47	1.47	1.73	16.06
MX-EC 95 TS	1 1/2	701.1 - 7011	6.18 - 10.12	3.35	6.06	1.65	1.73	20.9
MX-EC 120 TS	1 1/2	885.6 - 8856	6.89 - 10.83	3.54	6.42	1.69	1.73	23.1
MX-EC 155 TS	1 1/2	1143.9 - 11439	7.68 - 11.61	3.93	7.13	1.93	1.73	29.7
MX-EC 200 TS	2 1/2	1476 - 14760	8.27 - 12.72	4.41	8.27	2.17	1.73	45.1
MSX 250 TS	2 1/2	1845 - 18450	7.28 - 11.41	4.65	9.04	2.26	3.07	64.9
MSX 400 TS	2 1/2	2952 - 29520	9.02 - 14.25	5.35	10.77	2.62	3.07	108.9
MSX 650 TS	3 1/2	4797 - 47970	10.24 - 16.34	6.1	12.74	3.07	3.07	170.94



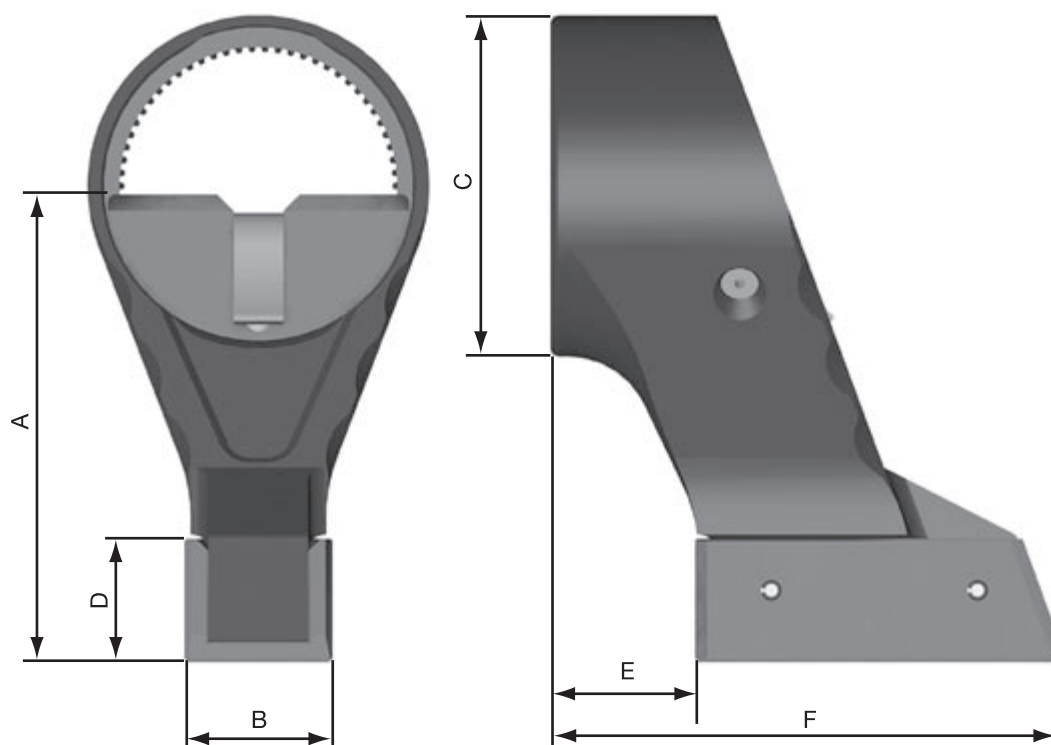
Vierkantadapter

Square drive adapters

Typ Type		Code Nr. Code no.	A ■	B (inch)	C (inch)	D (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
MX-EC 20 TS	AP 075	B93-042-1-00002	3/4	3.43	0.9	1.1	959	0.77
	AP 100	B93-042-1-00001	1	3.58	1.06	1.26	1550	0.99
MX-EC 45 TS	AP 100	B93-032-1-00001	1	4.19	1.06	1.26	3321	1.43
	AP 150	B93-032-1-00002	1 1/2	4.7	1.57	1.77	3321	2.09
MX-EC 75 TS	AP 150	B93-038-1-00005	1 1/2	5.22	1.57	1.77	5535	2.75
MX-EC 95 TS	AP 150	B93-041-1-00500	1 1/2	5.37	1.61	1.73	7011	2.71
MX-EC 120 TS	AP 150	B93-046-1-00081	1 1/2	5.67	1.61	1.73	8856	4.18
MX-EC 155 TS	AP 150	B93-048-1-00011	1 1/2	6.16	1.57	1.77	11439	4.62
	AP 250	B93-048-1-00019	2 1/2	6.75	2.16	2.36	11439	7.26
MX-EC 200 TS	AP 200	B93-058-1-00046	2 1/2	7.46	2.16	2.36	14760	10.45
MSX 250 TS	AP 250	B93-058-1-00001	2 1/2	7.46	2.16	2.36	18450	10.45
MSX 400 TS	AP 250	B93-068-1-00001	2 1/2	8.19	2.16	2.36	29520	13.64
MSX 650 TS	AP 250	B93-080-2-06405	2 1/2	9.13	2.16	2.36	36900	19.14
	AP 350	B93-080-2-08905	3 1/2	10.31	3.35	3.54	47970	26.4

Abstützungen mit Sicherheitsverriegelung

Reaction arms with safety latch

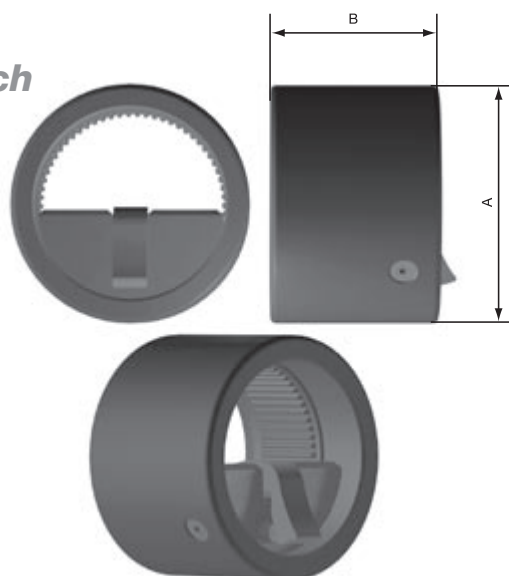


Typ/ Type	Code Nr. Code no.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	Gewicht Weight (lbs)
MX-EC 20 TS	B50-020-1-00420	3.94	1.42	2.76	1.1	2.36	3.54	1.54
MX-EC 45 TS	B50-045-1-05601	4.37	1.42	3.27	1.38	1.38	4.84	2.42
MX-EC 75 TS	B50-075-1-04711	5.39	1.57	3.74	1.38	1.46	6.1	3.96
MX-EC 95 TS	B50-095-1-00500	6.3	1.57	4.21	1.38	2.36	6.22	4.18
MX-EC 120 TS	B50-120-1-00115	6.3	1.81	4.41	1.38	2.44	6.42	5.72
MX-EC 155 TS	B50-155-1-00140	6.65	1.81	5.04	1.61	2.91	6.85	7.04
MX-EC 200 TS	B50-200-1-00240	7.87	2.4	5.75	2.09	3.35	6.18	12.32
MSX 250 TS	B50-250-1-00110	8.78	2.6	7.5	2.09	1.81	6.18	14.08
MSX 400 TS	B50-400-1-00110	9.76	3.74	8.86	2.17	2.52	7.76	23.76
MSX 650 TS	B50-650-1-00110	11.0	4.13	10.0	2.36	2.68	8.78	39.6

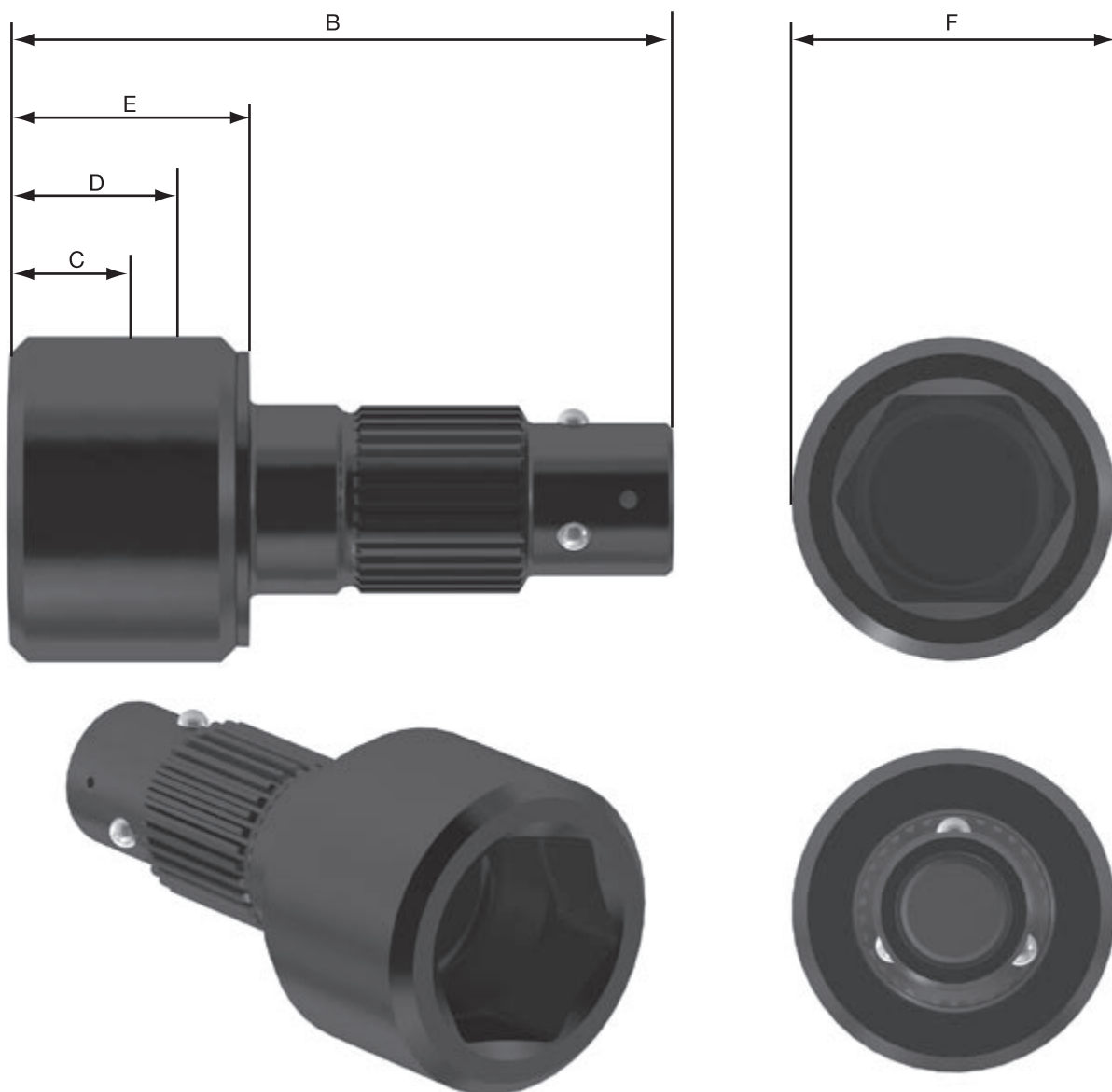
Abstützringe mit Sicherheitsverriegelung

Reaction rings with safety latch

Typ/ Type	Code Nr. Code no.	A (inch)	B (inch)
MX-EC 20 TS	B50-020-1-00520	2.76	1.97
MX-EC 45 TS	B50-045-1-08701	3.35	2.36
MX-EC 75 TS	B50-075-1-06311	3.90	3.07
MX-EC 95 TS	B50-095-1-01000	4.33	3.15
MX-EC 120 TS	B50-120-1-03311	4.66	3.94
MX-EC 155 TS	B50-155-1-00240	3.35	3.94
MX-EC 200 TS	B50-200-1-00141	5.91	5.12



Sicherheits-Einstecknüsse für MX-EC/MSX
Splined safety sockets for MX-EC/MSX



Sicherheits-Einstecknüsse für MX-EC 20***Splined safety sockets for MX-EC 20***

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 24 M	B93-042-1-00014	24	3.70	0.47	1.06	1.38	1.56	634.68	0.88
SP 27 M	B93-042-1-00015	27	3.78	0.55	1.14	1.46	1.71	848.70	0.99
SP 30 M	B93-042-1-00008	30	3.82	0.59	1.18	1.50	1.86	1018.44	1.1
SP 32 M	B93-042-1-00009	32	3.86	0.63	1.22	1.54	2.07	1476.00	1.21
SP 36 M	B93-042-1-00010	36	3.90	0.67	1.26	1.58	2.24	1549.00	1.32
SP 41 M	B93-042-1-00011	41	4.02	0.79	1.38	1.69	2.52	1549.00	1.65
SP 46 M	B93-042-1-00016	46	4.09	0.87	1.46	1.77	2.68	1549.00	1.98
SP 50 M	B93-042-1-00017	50	4.13	0.91	1.50	1.81	2.80	1549.00	2.75
SP 55 M	B93-042-1-00005	55	4.25	1.02	1.61	1.93	3.03	1549.00	2.75

Sicherheits-Einstecknüsse für MX-EC 45***Splined safety sockets for MX-EC 45***

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 30 M	B93-032-1-00008	30	4.41	0.59	1.18	1.48	1.86	1018.44	1.76
SP 32 M	B93-032-1-00009	32	4.45	0.63	1.18	1.52	2.07	1476.00	1.76
SP 36 M	B93-032-1-00025	36	4.49	0.67	1.26	1.65	2.24	1778.58	1.98
SP 41 M	B93-032-1-00023	41	4.71	0.79	1.38	1.77	2.52	2457.54	2.20
SP 46 M	B93-032-1-00028	46	4.78	0.87	1.46	1.85	2.76	3033.18	1.15
SP 50 M	B93-032-1-00030	50	5.06	0.91	1.50	2.13	2.95	3321.00	2.53
SP 55 M	B93-032-1-00031	55	5.18	1.02	1.61	2.24	3.15	3321.00	3.85
SP 60 M	B93-032-1-00033	60	5.26	1.10	1.69	2.32	3.35	3321.00	4.51
SP 65 M	B93-032-1-00034	65	5.37	1.22	1.81	2.44	3.54	3321.00	4.95
SP 70 M	B93-032-1-00035	70	5.57	1.26	1.85	2.64	3.82	3321.00	6.16

Sicherheits-Einstecknüsse für MX-EC 75***Splined safety sockets for MX-EC 75***

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 36 M	B93-038-1-00007	36	5.02	0.67	1.26	1.54	2.26	1778.58	3.52
SP 41 M	B93-038-1-00008	41	5.14	0.79	1.38	1.65	2.52	2457.54	3.52
SP 46 M	B93-038-1-00009	46	5.22	0.87	1.46	1.73	2.99	4317.30	3.74
SP 50 M	B93-038-1-00010	50	5.26	0.91	1.50	1.77	3.19	4929.84	4.29
SP 55 M	B93-038-1-00011	55	5.81	1.02	1.61	2.32	3.39	5535.00	4.51
SP 60 M	B93-038-1-00012	60	5.89	1.10	1.69	2.40	3.54	5535.00	6.71
SP 65 M	B93-038-1-00013	65	6.00	1.22	1.81	2.52	3.78	5535.00	7.59
SP 70 M	B93-038-1-00014	70	6.04	1.26	1.85	2.56	4.02	5535.00	8.03
SP 75 M	B93-038-1-00015	75	6.12	1.34	1.93	2.64	4.25	5535.00	8.58

Sicherheits-Einstecknüsse für MX-EC 120***Splined safety sockets for MX-EC 120***

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 90 M	B93-046-1-00082	90	7.16	1.73	1.49	3.23	5.04	8856	13.2

Sicherheits-Einstecknüsse für MX-EC 155***Splined safety sockets for MX-EC 155***

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 46 M	B93-048-1-00008	46	6.12	0.87	1.46	1.73	2.99	4317.30	4.62
SP 50 M	B93-048-1-00020	50	6.16	0.91	1.50	1.77	3.19	4929.84	5.17
SP 55 M	B93-048-1-00009	55	6.71	1.02	1.61	2.32	3.43	6103.26	5.39
SP 60 M	B93-048-1-00021	60	6.79	1.10	1.69	2.40	3.70	7505.46	7.59
SP 65 M	B93-048-1-00010	65	6.91	1.22	1.81	2.52	3.94	8988.84	8.45
SP 70 M	B93-048-1-00022	70	6.95	1.26	1.85	2.56	4.17	9992.52	8.91
SP 75 M	B93-048-1-00012	75	7.22	1.34	1.93	2.84	4.41	11387.34	9.46
SP 80 M	B93-048-1-00013	80	7.38	1.50	2.09	2.99	4.69	11439.00	11.22
SP 85 M	B93-048-1-00014	85	7.50	1.61	2.21	3.11	4.92	11439.00	12.32
SP 90 M	B93-048-1-00015	90	7.62	1.73	2.32	3.23	5.16	11439.00	13.20
SP 95 M	B93-048-1-00016	95	7.74	1.85	2.05	3.35	5.20	11439.00	13.64
SP 100 M	B93-048-1-00023	100	7.93	1.93	2.52	3.54	5.67	11439.00	15.18
SP 105 M	B93-048-1-00017	105	8.05	2.05	2.64	3.66	5.91	11439.00	16.72
SP 110 M	B93-048-1-00027	110	8.17	2.17	2.76	3.78	6.14	11439.00	18.26

Sicherheits-Einstecknüsse für MSX 250***Splined safety sockets for MSX 250***

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 50 M	B93-058-1-00017	50	6.87	0.91	1.50	1.77	3.19	4929.84	8.80
SP 55 M	B93-058-1-00018	55	7.42	1.02	1.61	2.32	3.43	6103.26	9.57
SP 60 M	B93-058-1-00019	60	7.50	1.10	1.69	2.40	3.70	7505.46	10.78
SP 65 M	B93-058-1-00020	65	7.62	1.22	1.81	2.52	3.94	8988.84	12.10
SP 70 M	B93-058-1-00021	70	7.93	1.26	2.05	2.84	4.41	13247.10	13.09
SP 75 M	B93-058-1-00022	75	8.01	1.34	2.13	2.91	46.46	14501.70	13.86
SP 80 M	B93-058-1-00023	80	8.17	1.50	2.28	3.07	4.92	17896.50	15.40
SP 85 M	B93-058-1-00012	85	8.29	1.61	2.40	3.19	5.16	18450.00	16.50
SP 90 M	B93-058-1-00024	90	8.41	1.73	2.52	3.31	5.39	18450.00	17.49
SP 95 M	B93-058-1-00006	95	8.52	1.85	2.64	3.43	5.59	18450.00	18.73
SP 100 M	B93-058-1-00025	100	8.60	1.93	2.72	3.50	5.83	18450.00	20.02
SP 105 M	B93-058-1-00013	105	8.72	2.05	2.84	3.62	6.02	18450.00	21.45
SP 110 M	B93-058-1-00007	110	8.34	2.17	2.95	3.74	6.26	18450.00	23.21
SP 115 M	B93-058-1-00026	115	8.92	2.28	3.07	3.82	6.50	18450.00	24.86

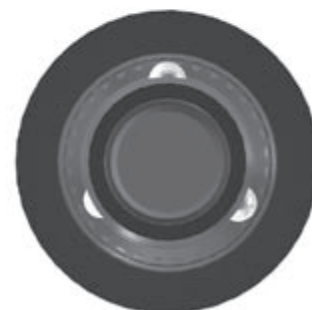
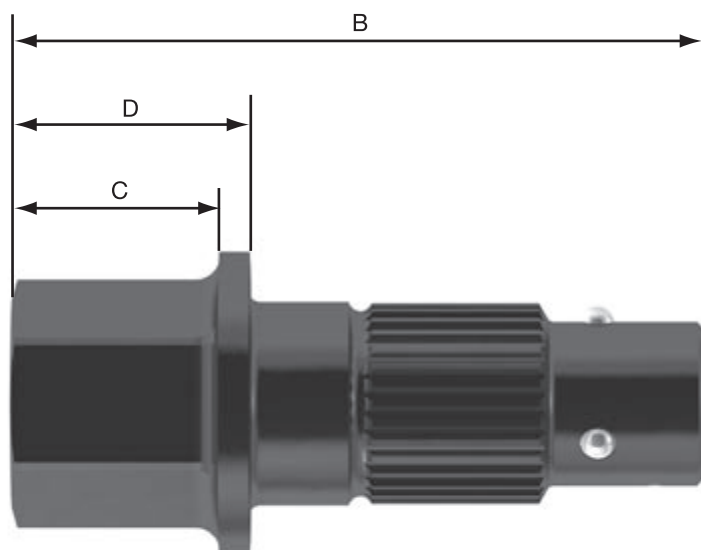
Sicherheits-Einstecknüsse für MSX 400***Splined safety sockets for MSX 400***

Type Type	Code Nr. Code no.	SW A/F (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 70 M	B93-068-1-00002	2.76	8.90	1.30	2.21	3.07	4.41	13173.30	17.38
SP 75 M	B93-068-1-00003	2.95	8.94	1.34	2.24	3.11	4.65	14501.70	18.26
SP 80 M	B93-068-1-00004	3.15	9.05	1.50	2.40	3.27	4.92	17896.50	19.58
SP 85 M	B93-068-1-00005	3.45	9.21	1.61	2.52	3.39	5.16	20494.26	20.68
SP 90 M	B93-068-1-00006	3.54	9.29	1.69	2.60	4.47	5.39	22759.92	21.78
SP 95 M	B93-068-1-00007	3.74	9.41	1.81	2.72	3.58	5.63	25711.92	23.10
SP100 M	B93-068-1-00008	3.94	9.53	1.93	2.84	3.70	5.91	2952.00	24.86
SP105 M	B93-068-1-00009	4.13	9.65	2.05	2.95	3.82	6.14	2952.00	26.18
SP110 M	B93-068-1-00010	4.33	9.76	2.17	3.07	3.94	6.42	2952.00	28.26
SP115 M	B93-068-1-00011	4.53	9.88	2.28	3.19	4.06	6.65	2952.00	29.70
SP120 M	B93-068-1-00012	4.72	10.00	2.40	3.31	4.17	6.93	2952.00	31.68
SP125 M	B93-068-1-00013	4.92	10.08	2.48	3.39	4.25	7.09	2952.00	32.34
SP130 M	B93-068-1-00014	5.12	10.18	2.56	3.47	4.33	7.32	2952.00	33.88

Sicherheits-Einstecknüsse für MSX 650***Splined safety sockets for MSX 650***

Type Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
SP 80 M	B93-080-9-08000	80	10.43	1.50	2.48	3.66	4.92	17896.50	25.74
SP 85 M	B93-080-9-08500	85	10.55	1.61	2.60	3.78	5.16	20494.26	27.06
SP 90 M	B93-080-9-09000	90	10.63	1.69	2.68	3.86	5.39	22759.92	28.16
SP 95 M	B93-080-9-09500	95	10.75	1.81	2.80	3.98	5.63	25711.92	29.70
SP100 M	B93-080-9-10000	100	10.87	1.93	2.91	4.10	5.91	29829.96	31.68
SP105 M	B93-080-9-10500	105	10.98	2.05	3.03	4.21	6.14	33210.00	34.32
SP110 M	B93-080-9-11000	110	11.10	2.17	3.15	4.33	6.42	38117.70	35.42
SP115 M	B93-080-9-11500	115	11.22	2.28	3.27	4.45	6.65	47970.00	37.18
SP120 M	B93-080-9-12000	120	11.34	2.40	3.39	4.57	7.01	47970.00	40.70
SP125 M	B93-080-9-12500	125	11.42	2.48	3.47	4.65	7.24	47970.00	42.46
SP130 M	B93-080-9-13000	130	11.50	2.56	3.54	4.72	7.48	47970.00	44.44
SP135 M	B93-080-9-13500	135	11.65	2.72	3.70	4.88	7.72	47970.00	46.86
SP 140 M	B93-080-9-14000	140	11.69	2.76	3.74	4.92	7.87	47970.00	47.52
SP 145 M	B93-080-9-14500	145	11.77	2.84	3.82	5.00	8.15	47970.00	50.16

Sicherheits-Inbuseinsätze für MX-EC/MSX
Splined safety hex inserts for MX-EC/MSX



Sicherheits-Inbuseinsätze für MX-EC 20

Splined safety hex inserts for MX-EC 20

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 14 M	B93-042-1-00018	14	3.11	0.59	0.79	420.66	0.55
CP 17 M	B93-042-1-00019	17	3.31	0.79	0.98	738.00	0.55
CP 19 M	B93-042-1-00020	19	3.31	0.79	0.98	1070.10	0.66
CP 22 M	B93-042-1-00003	22	3.50	0.98	1.18	1549.80	0.66
CP 24 M	B93-042-1-00021	24	3.54	1.02	1.22	1549.80	0.66
CP 27 M	B93-042-1-00006	27	3.74	1.22	1.42	1549.80	0.66

Sicherheits-Inbuseinsätze für MX-EC 45

Splined safety hex inserts for MX-EC 45

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 17 M	B93-032-1-00012	17	3.12	0.79	0.98	738.00	1.10
CP 19 M	B93-032-1-00013	19	3.12	0.79	0.98	1070.10	1.21
CP 22 M	B93-032-1-00014	22	4.11	0.98	1.18	1623.60	1.21
CP 24 M	B93-032-1-00015	24	4.15	1.02	1.22	2103.30	1.32
CP 27 M	B93-032-1-00016	27	4.35	1.22	1.42	3321.00	1.43
CP 30 M	B93-032-1-00017	30	4.35	1.22	1.42	3321.00	1.54
CP 32 M	B93-032-1-00018	32	4.55	1.42	1.61	3321.00	1.76
CP 36 M	B93-032-1-00019	36	4.55	1.42	1.61	3321.00	1.87

Sicherheits-Inbuseinsätze für MX-EC 75

Splined safety hex inserts for MX-EC 75

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 19 M	B93-038-1-00016	19	4.39	0.79	0.98	1070.10	1.87
CP 22 M	B93-038-1-00017	22	4.59	0.98	1.18	1623.60	1.87
CP 24 M	B93-038-1-00018	24	4.63	1.02	1.22	2103.30	2.09
CP 27 M	B93-038-1-00019	27	4.82	1.22	1.42	3025.80	2.09
CP 30 M	B93-038-1-00020	30	4.82	1.22	1.42	3719.52	2.20
CP 32 M	B93-038-1-00021	32	5.02	1.42	1.61	4442.76	2.32
CP 36 M	B93-038-1-00022	36	5.02	1.42	1.61	5535.00	2.42

Sicherheits-Inbuseinsätze für MX-EC 120

Splined safety hex inserts for MX-EC 120

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 36 M	B93-046-1-00083	36	5.75	1.61	1.81	7011	4.18

Sicherheits-Inbuseinsätze für MX-EC 155

Splined safety hex inserts for MX-EC 155

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 27 M	B93-048-1-00004	27	6.00	1.42	1.61	3025.80	3.19
CP 30 M	B93-048-1-00024	30	6.00	1.42	1.61	3719.52	3.30
CP 32 M	B93-048-1-00005	32	6.20	1.61	1.81	4442.76	3.52
CP 36 M	B93-048-1-00006	36	6.20	1.61	1.81	6420.60	3.53
CP 41 M	B93-048-1-00007	41	6.32	1.73	1.93	9409.50	8.23
CP 46 M	B93-048-1-00018	46	6.32	1.73	1.93	11439.00	3.96
CP 50 M	B93-048-1-00025	50	6.36	1.77	1.97	11439.00	4.40
CP 55 M	B93-048-1-00026	55	6.56	1.97	2.17	11439.00	4.95

Sicherheits-Inbuseinsätze für MSX 250

Splined safety hex inserts for MSX 250

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 32 M	B93-058-1-00027	32	6.91	1.61	1.81	4442.76	6.60
CP 36 M	B93-058-1-00028	36	6.91	1.61	1.81	5955.66	6.82
CP 41 M	B93-058-1-00029	41	7.03	1.73	1.93	9409.50	6.93
CP 46 M	B93-058-1-00030	46	7.03	1.73	1.93	13210.20	7.15
CP 50 M	B93-058-1-00031	50	7.07	1.77	1.97	16974.00	7.59
CP 55 M	B93-058-1-00032	55	7.27	1.97	2.17	18450.00	8.03
CP 60 M	B93-058-1-00033	60	7.46	2.17	2.36	18450.00	8.58
CP 55 M	B93-048-1-00026	55	6.56	1.97	2.17	11439.00	4.95

Sicherheits-Inbuseinsätze für MSX 400

Splined safety hex inserts for MSX 400

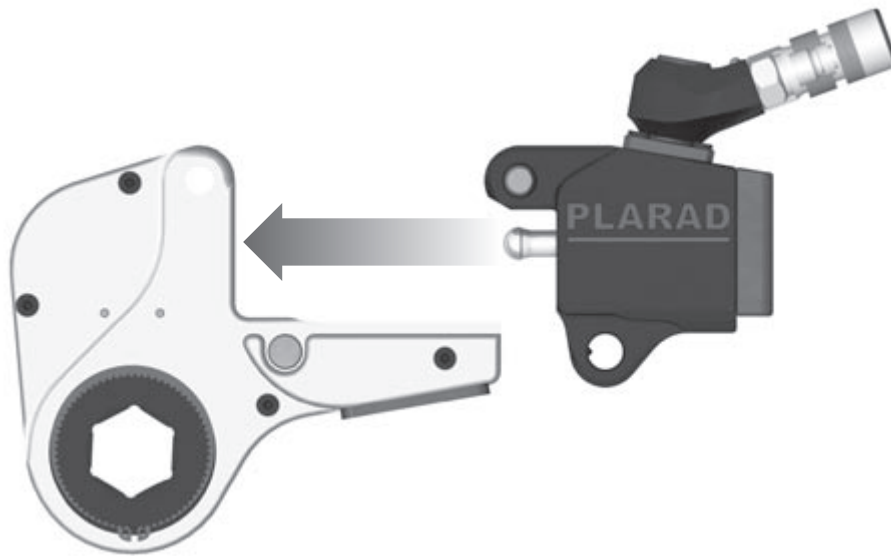
Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 36 M	B93-068-1-00015	36	7.64	1.61	1.81	6420.60	9.79
CP 41 M	B93-068-1-00016	41	7.76	1.73	1.93	9409.50	10.12
CP 46 M	B93-068-1-00017	46	7.76	1.73	1.93	13210.20	10.34
CP 50 M	B93-068-1-00018	50	7.80	1.77	1.97	16974.00	10.78
CP 55 M	B93-068-1-00019	55	7.99	1.97	2.17	22878.00	11.22
CP 60 M	B93-068-1-00020	60	8.19	2.17	2.36	29520.00	11.88
CP 65 M	B93-068-1-00021	65	8.39	2.36	2.56	29520.00	12.76
CP 75 M	B93-068-1-00022	75	8.58	2.56	2.76	29520.00	14.52

Sicherheits-Inbuseinsätze für MSX 650

Splined safety hex inserts for MSX 650

Typ Type	Code Nr. Code no.	SW A/F (mm)	B (inch)	C (inch)	D (inch)	MT _{max} (lbf ft)	Gewicht Weight (lbs)
CP 41 M	B93-068-1-00015	41	8.35	1.73	1.93	19409.50	14.30
CP 46 M	B93-068-1-00016	46	8.35	1.73	1.93	13210.20	14.30
CP 50 M	B93-068-1-00017	50	8.74	1.77	1.97	16974.00	14.96
CP 55 M	B93-068-1-00018	55	8.94	1.97	2.17	22878.00	15.62
CP 60 M	B93-068-1-00019	60	9.13	2.17	2.36	29520.00	16.28
CP 65 M	B93-068-1-00020	65	9.33	2.36	2.56	37638.00	17.16
CP 75 M	B93-068-1-00021	75	9.53	2.56	2.76	47970.00	18.70

FSX = Ratschenkopf (HSX) + Antriebseinheit (SX)
Ratchet head (HSX) + Drive unit (SX)



Ratschenkopf • *Ratchet head*

Ratschenkopf
ratchet head

Max. SW (mm)
 max. A/F (mm)

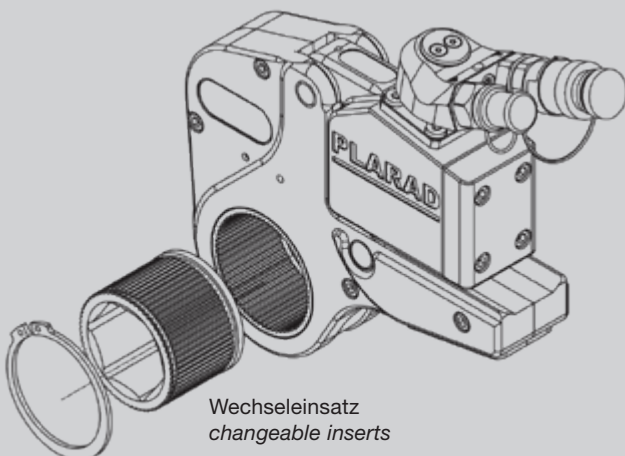
HSX 550 F

Für Antrieb Leistungsklasse 5
for drive unit performance-class 5

Fix:
 Fester Einsatz
fixed insert

Wechseleinsatz
changeable inserts

HSX 550 W



Wechseleinsatz
changeable inserts

Antriebseinheit • *Drive unit*

Antriebseinheit
drive unit

hinten:
 Anschluss hinten
connection at the back

SX 1 MF-H

Leistungsklasse
performance-class

Fix:
 starrer Anschluss
fixed hose connection



Mono:
 Einschlauch-
 Variante
single hose

oben:
 Anschluss oben
connection on top

SX 1 MS-O

Swivel:
 360° drehbarer Anschluss
360° turnable hose connection



Twin:
 Zweischlauch-Variante
twin hose version

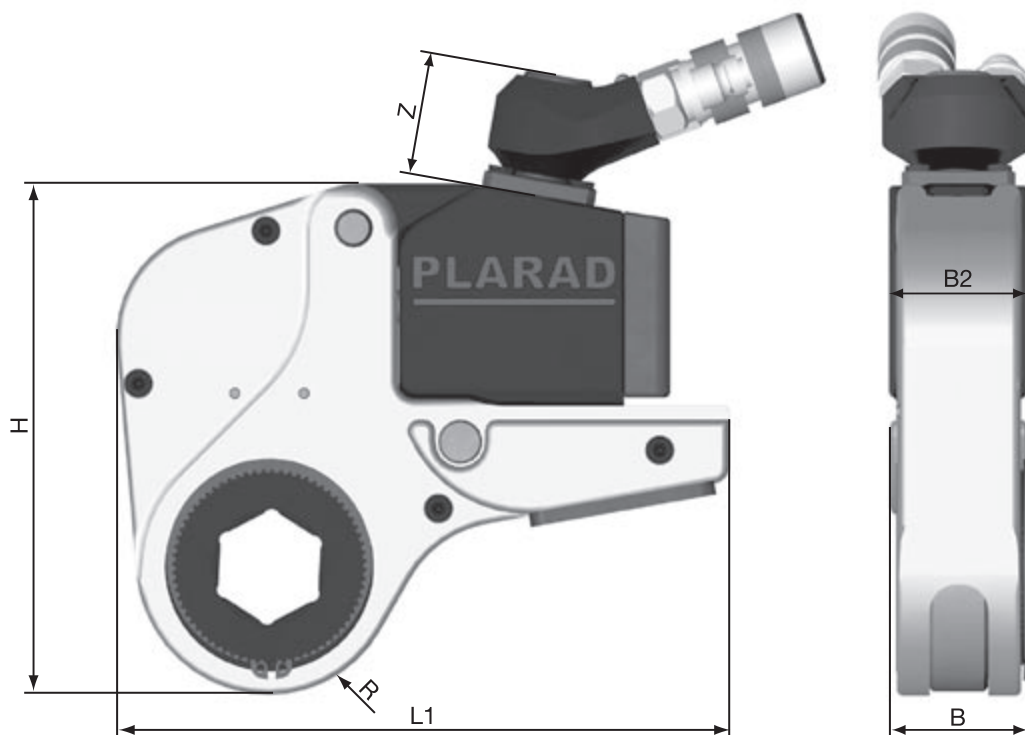
Economy

SX-EC 2 TS



konventionelle Baureihe
conventional series

SX 20 TST



SX - EC 1

Antriebseinheit Drive unit		Code Nr. Code no.	Leistungsbereich Performance range			B2	Gewicht Weight		
SX - EC 1 MF		G52-010-0-00114	37.76 - 737.57 ft lbs			1.65 inch	2.20 lbs		

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 127 F	G51-010-0-00120	27	5.87	1.28	4.37	1.57	0.95	590.05	1.54
HSX 136 F	G51-010-0-00320	36	5.87	1.28	4.57	1.57	1.16	737.57	1.76
HSX 141 F	G51-010-0-00220	41	5.87	1.28	4.69	1.57	1.26	737.57	1.98

SX - EC 2

Antriebseinheit Drive unit		Code Nr. Code no.	Leistungsbereich Performance range			B2	Gewicht Weight		
SX - EC 2 TS		G52-025-0-00840	184.39 - 1843.91 ft lbs			1.62 inch	2.86 lbs		
SX - EC 2 MS-O		G52-025-0-00740	184.39 - 1843.91 ft lbs			1.56 inch	2.20 lbs		
SX - EC 2 MS-H		G52-025-0-00340	184.39 - 1843.91 ft lbs			1.56 inch	2.20 lbs		
SX - EC 2 MF		G52-025-0-00440	184.39 - 1843.91 ft lbs			1.56 inch	1.76 lbs		

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 224 F	G51-025-0-00125	max. 24	6.82	1.36	4.91	1.57	0.85	553.17	2.75
HSX 230 F	G51-025-0-00225	max. 30	6.82	1.36	5.06	1.57	1.0	774.44	2.75
HSX 232 F	G51-025-0-00325	max. 32	6.82	1.36	5.14	1.57	1.08	921.96	2.97
HSX 236 F	G51-025-0-00425	max. 36	6.82	1.36	5.26	1.57	1.18	1106.35	2.97
HSX 241 F	G51-025-0-00525	max. 41	6.82	1.36	5.39	1.57	1.34	1475.13	3.19
HSX 246 F	G51-025-0-00725	max. 46	6.82	1.36	5.55	1.57	1.5	1733.28	3.19
HSX 250 F	G51-025-0-00825	max. 50	6.82	1.36	5.65	1.57	1.57	1843.91	3.19
HSX 255 F	G51-025-0-00121	max. 55	6.82	1.36	5.77	1.57	1.71	1843.91	3.19
HSX 260 F	G51-025-0-01025	max. 60	6.9	1.36	6.05	1.57	1.79	1843.91	3.30
HSX 265 F	G51-025-0-01810	65	7.5	1.36	6.25	1.57	1.89	1843.91	3.41
HSX 270 F	G51-025-0-05710	70	7.9	1.36	6.42	1.57	2.09	1843.91	3.85

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 224 F	HX 224 H 20 M	F93-060-9-02026	20	
	HX 224 H 24 M	F93-060-9-02426	24	
HSX 230 F	HX 230 H 24 M	F93-072-9-02407	24	
	HX 230 H 30 M	F93-072-9-03007	30	
HSX 232 F	HX 232 H 24 M	F93-076-9-02452	24	
	HX 232 H 27 M	F93-076-9-02752	27	
	HX 232 H 32 M	F93-076-9-03252	32	
HSX 236 F	HX 236 H 24 M	F93-050-9-02407	24	
	HX 236 H 27 M	F93-050-9-02707	27	
	HX 236 H 30 M	F93-050-9-03007	30	
	HX 236 H 32 M	F93-050-9-03207	32	
	HX 236 H 36 M	F93-050-9-03607	36	
HSX 241 F	HX 241 H 27 M	F93-056-9-02755	27	
	HX 241 H 30 M	F93-056-9-03055	30	
	HX 241 H 32 M	F93-056-9-03255	32	
	HX 241 H 36 M	F93-056-9-03655	36	
	HX 241 H 41 M	F93-056-9-04155	41	
HSX 246 F	HX 246 H 30 M	F93-062-9-03002	30	
	HX 246 H 32 M	F93-062-9-03202	32	
	HX 246 H 36 M	F93-062-9-03602	36	
	HX 246 H 41 M	F93-062-9-04102	41	
	HX 246 H 46 M	F93-062-9-04602	46	
HSX 250 F	HX 250 H 30 M	F93-068-9-03005	30	
	HX 250 H 32 M	F93-068-9-03205	32	
	HX 250 H 36 M	F93-068-9-03605	36	
	HX 250 H 41 M	F93-068-9-04105	41	
	HX 250 H 46 M	F93-068-9-04605	46	
	HX 250 H 50 M	F93-068-9-05005	50	
HSX 255 F	HX 255 H 36 M	F93-072-9-03606	36	
	HX 255 H 41 M	F93-072-9-04106	41	
	HX 255 H 46 M	F93-072-9-04606	46	
	HX 255 H 50 M	F93-072-9-05006	50	
	HX 255 H 55 M	F93-072-9-05506	55	
HSX 260 F	HX 260 H 36 M	F93-078-9-03604	36	
	HX 260 H 41 M	F93-078-9-04104	41	
	HX 260 H 46 M	F93-078-9-04604	46	
	HX 260 H 50 M	F93-078-9-05004	50	
	HX 260 H 55 M	F93-078-9-05504	55	
	HX 260 H 58 M	F93-078-9-05804	58	
	HX 260 H 60 M	F93-078-9-06004	60	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (inch) A/F (inch)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 224 F	G51-025-0-00126	1 ⁵ / ₁₆	6.82	1.36	4.9	1.57	0.85	553.17	2.75
HSX 230 F	G51-025-0-00226	1 ¹ / ₈	6.82	1.36	5.06	1.57	1.0	774.44	2.75
HSX 232 F	G51-025-0-00326	1 ¹ / ₄	6.82	1.36	5.14	1.57	1.08	921.96	2.97
HSX 236 F	G51-025-0-00426	1 ³ / ₈	6.82	1.36	5.26	1.57	1.18	1106.35	2.97
HSX 241 F	G51-025-0-00526	1 ⁹ / ₁₆	6.82	1.36	5.4	1.57	1.34	1475.13	3.19
HSX 246 F	G51-025-0-00726	1 ¹³ / ₁₆	6.82	1.36	5.5	1.57	1.5	1733.28	3.19
HSX 250 F	G51-025-0-00826	1 ¹⁵ / ₁₆	6.82	1.36	5.65	1.57	1.57	1843.91	3.19
HSX 255 F	G51-025-0-00926	2 ¹ / ₈	6.82	1.36	5.77	1.57	1.7	1843.91	3.19
HSX 260 F	G51-025-0-01026	2 ³ / ₈	6.9	1.36	6.05	1.57	1.79	1843.91	3.30
HSX 265 F	G51-025-0-01526	2 ¹ / ₂	7.05	1.36	6.25	1.57	1.89	1843.91	3.41

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 241 F	HX 241 H 156	F93-056-9-04056	1 ⁹ / ₁₆	
HSX 246 F	HX 246 H 181	F93-062-9-04702	1 ¹³ / ₁₆	
HSX 250 F	HX 250 H 200	F93-068-9-05106	1 ¹⁵ / ₁₆	
HSX 255 F	HX 255 H 163	F93-072-9-04109	1 ⁵ / ₈	
	HX 255 H 169	F93-072-9-04309	1 ¹¹ / ₁₆	
	HX 255 H 175	F93-072-9-04509	1 ³ / ₄	
	HX 255 H 181	F93-072-9-04609	1 ¹³ / ₁₆	
	HX 255 H 188	F93-072-9-04809	1 ⁷ / ₈	
	HX 255 H 194	F93-072-9-04909	1 ¹⁵ / ₁₆	
	HX 255 H 200	F93-072-9-05109	2	
	HX 255 H 206	F93-072-9-05209	2 ¹ / ₁₆	
	HX 255 H 213	F93-072-9-05409	2 ¹ / ₈	
	HX 255 H 219	F93-072-9-05609	2 ³ / ₁₆	
HSX 255 F	HX 260 H 238	F93-078-9-06104	2 ³ / ₈	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 224 W	G51-025-0-00824	max. 24	6.81	1.49	5.06	1.57	1.0	774.44	3.41
HSX 227 W	G51-025-0-00124	max. 27	6.81	1.49	5.28	1.57	1.08	912.96	3.41
HSX 232 W	G51-025-0-00224	max. 32	6.81	1.5	5.24	1.57	1.18	1106.35	3.41
HSX 236 W	G51-025-0-00324	max. 36	6.74	1.52	5.65	1.57	1.46	1843.91	3.63
HSX 241 W	G51-025-0-00424	max. 41	6.81	1.52	5.55	1.57	1.5	1733.28	3.85
HSX 246 W	G51-025-0-00524	max. 46	6.81	1.52	5.83	1.57	1.63	1843.91	3.85
HSX 250 W	G51-025-0-00624	max. 50	6.81	1.54	5.91	1.57	1.71	1843.91	4.07
HSX 255 W	G51-025-0-00724	max. 55	6.9	1.54	6.05	1.57	1.79	1843.91	4.18

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 224 W	HXW 224 H 20 M	F93-034-9-02015	20	
	HXW 224 H 22 M	F93-034-9-02215	22	
	HXW 224 H 24 M	F93-034-9-02415	24	
HSX 232 W	HXW 232 H 20 M	F93-041-9-02031	20	
	HXW 232 H 24 M	F93-041-9-02431	24	
	HXW 232 H 27 M	F93-041-9-02731	27	
	HXW 232 H 30 M	F93-041-9-03031	30	
	HXW 232 H 32 M	F93-041-9-03231	32	
HSX 236 W	HXW 236 H 24 M	F93-048-9-02465	24	
	HXW 236 H 27 M	F93-048-9-02765	27	
	HXW 236 H 30 M	F93-048-9-03065	30	
	HXW 236 H 32 M	F93-048-9-03265	32	
	HXW 236 H 36 M	F93-048-9-03665	36	
HSX 241 W	HXW 241 H 24 M	F93-052-9-02405	24	
	HXW 241 H 27 M	F93-052-9-02705	27	
	HXW 241 H 30 M	F93-052-9-03005	30	
	HXW 241 H 32 M	F93-052-9-03205	32	
	HXW 241 H 36 M	F93-052-9-03605	36	
	HXW 241 H 41 M	F93-052-9-04105	41	
HSX 246 W	HXW 246 H 30 M	F93-058-9-03006	30	
	HXW 246 H 32 M	F93-058-9-03206	32	
	HXW 246 H 36 M	F93-058-9-03606	36	
	HXW 246 H 41 M	F93-058-9-04106	41	
	HXW 246 H 46 M	F93-058-9-04606	46	

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 250 W	HXW 250 H 24 M	F93-062-9-02401	24	
	HXW 250 H 27 M	F93-062-9-02701	27	
	HXW 250 H 30 M	F93-062-9-03001	30	
	HXW 250 H 32 M	F93-062-9-03201	32	
	HXW 250 H 36 M	F93-062-9-03601	36	
	HXW 250 H 41 M	F93-062-9-04101	41	
	HXW 250 H 46 M	F93-062-9-04601	46	
	HXW 250 H 50 M	F93-062-9-05001	50	
HSX 255 W	HXW 255 H 32 M	F93-068-9-03203	32	
	HXW 255 H 36 M	F93-068-9-03603	36	
	HXW 255 H 41 M	F93-068-9-04103	41	
	HXW 255 H 46 M	F93-068-9-04603	46	
	HXW 255 H 50 M	F93-068-9-05003	50	
	HXW 255 H 55 M	F93-068-9-05503	55	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (inch) A/F (inch)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 224 W	G51-025-0-00824	max. $1^{5/16}$	6.82	1.49	5.06	1.57	1.0	774.44	3.41
HSX 227 W	G51-025-0-00124	max. $1^{1/16}$	6.82	1.49	5.28	1.57	1.08	912.96	3.41
HSX 232 W	G51-025-0-00224	max. $1^{1/4}$	6.82	1.5	5.24	1.57	1.18	1106.35	3.41
HSX 236 W	G51-025-0-00324	max. $1^{3/8}$	6.74	1.52	5.65	1.57	1.46	1843.91	3.63
HSX 241 W	G51-025-0-00424	max. $1^{9/16}$	6.82	1.52	5.55	1.57	1.5	1733.28	3.85
HSX 246 W	G51-025-0-00524	max. $1^{13/16}$	6.82	1.52	5.83	1.57	1.64	1843.91	3.85
HSX 250 W	G51-025-0-00624	max. $1^{15/16}$	6.82	1.54	5.91	1.57	1.71	1843.91	4.07
HSX 255 W	G51-025-0-00724	max. $2^{1/8}$	6.9	1.54	6.05	1.57	1.79	1843.91	4.18

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 236 W	HXW 236 H 106	F93-048-9-02766	$1^{1/16}$	
	HXW 236 H 113	F93-048-9-02966	$1^{1/8}$	
	HXW 236 H 119	F93-048-9-03066	$1^{3/16}$	
	HXW 236 H 125	F93-048-9-03266	$1^{1/4}$	
	HXW 236 H 131	F93-048-9-03366	$1^{5/16}$	
	HXW 236 H 136	F93-048-9-03566	$1^{3/8}$	
HSX 241 W	HXW 241 H 150	F93-052-9-03805	$1^{1/2}$	
HSX 246 W	HXW 246 H 131	F93-058-9-03306	$1^{5/16}$	
HSX 250 W	HXW 250 H 119	F93-062-9-03003	$1^{3/16}$	
	HXW 250 H 125	F93-062-9-03203	$1^{1/4}$	
	HXW 250 H 131	F93-062-9-03303	$1^{5/16}$	
	HXW 250 H 138	F93-062-9-03503	$1^{3/8}$	
	HXW 250 H 144	F93-062-9-03703	$1^{7/16}$	
	HXW 250 H 150	F93-062-9-03803	$1^{1/2}$	
	HXW 250 H 156	F93-062-9-04003	$1^{9/16}$	
	HXW 250 H 163	F93-062-9-04103	$1^{5/8}$	
	HXW 250 H 169	F93-062-9-04303	$1^{11/16}$	
	HXW 250 H 175	F93-062-9-04503	$1^{3/4}$	
	HXW 250 H 181	F93-062-9-04603	$1^{13/16}$	
	HXW 250 H 188	F93-062-9-04803	$1^{7/8}$	
HSX 255 W	HXW 255 H 194	F93-062-9-04903	$1^{15/16}$	
HSX 255 W	HXW 255 H 188	F93-068-9-04808	$1^{7/8}$	
	HXW 255 H 200	F93-068-9-05108	2	
	HXW 255 H 213	F93-068-9-05408	$2^{1/8}$	

SX - EC 5

Antriebsseinheit Drive unit	Code Nr. Code no.	Leistungsbereich Performance range	B2	Gewicht Weight
SX - EC 5 TS	G52-050-0-00540	368.78 - 4056.61 ft lbs	1.97 inch	7.04 lbs
SX - EC 5 MS-O	G52-050-0-00220	368.78 - 4056.61 ft lbs	1.97 inch	4.40 lbs
SX - EC 5 MS-H	G52-050-0-00520	368.78 - 4056.61 ft lbs	1.97 inch	4.40 lbs
SX - EC 5 MF	G52-050-0-00320	368.78 - 4056.61 ft lbs	1.97 inch	4.18 lbs

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 532 F	G51-050-0-00125	32	8.47	1.77	6.52	1.44	1.08	1290.73	5.39
HSX 536 F	G51-050-0-01325	36	8.47	1.77	6.64	1.44	1.2	1475.13	5.50
HSX 541 F	G51-050-0-00225	41	8.7	1.77	6.8	1.44	1.36	1991.43	5.61
HSX 546 F	G51-050-0-00325	46	8.67	1.77	6.92	1.44	1.48	2286.45	5.61
HSX 550 F	G51-050-0-00425	50	8.7	1.77	7.01	1.44	1.58	3024.02	5.83
HSX 555 F	G51-050-0-00121	55	8.7	1.77	7.25	1.44	1.81	4056.61	5.83
HSX 560 F	G51-050-0-00525	60	8.7	1.77	7.33	1.44	1.89	4056.61	6.05
HSX 565 F	G51-050-0-00625	65	8.96	1.77	7.4	1.44	1.97	4056.61	6.05
HSX 570 F	G51-050-0-00221	70	8.96	1.77	7.62	1.44	2.19	4056.91	6.05
HSX 575 F	G51-050-0-01225	75	8.98	1.77	7.9	1.44	2.23	4056.91	6.27
HSX 580 F	G51-050-0-00852	80	8.98	1.77	7.96	1.44	2.3	4056.91	6.27
HSX 585 F	G51-050-0-01425	85	9.18	1.77	8.15	1.44	2.48	4056.91	6.60

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 532 F	HX 532 H 32 M	F93-076-9-03253	32	
HSX 536 F	HX 536 H 36 M	F93-050-9-03608	36	
HSX 541 F	HX 541 H 36 M	F93-092-9-03614	36	
	HX 541 H 41 M	F93-092-9-04114	41	
HSX 546 F	HX 546 H 30 M	F93-062-9-03004	30	
	HX 546 H 41 M	F93-062-9-04104	41	
	HX 546 H 46 M	F93-062-9-04604	46	
HSX 550 F	HX 550 H 32 M	F93-068-9-03202	32	
	HX 550 H 36 M	F93-068-9-03602	36	
	HX 550 H 41 M	F93-068-9-04102	41	
	HX 550 H 46 M	F93-068-9-04602	46	
	HX 550 H 50 M	F93-068-9-05002	50	
HSX 555 F	HX 555 H 30 M	F93-074-9-03013	30	
	HX 555 H 32 M	F93-074-9-03213	32	
	HX 555 H 36 M	F93-074-9-03613	36	
	HX 555 H 41 M	F93-074-9-04113	41	
	HX 555 H 46 M	F93-074-9-04613	46	
	HX 555 H 50 M	F93-074-9-05013	50	
	HX 555 H 51 M	F93-074-9-05113	51	
	HX 555 H 55 M	F93-074-9-05522	55	

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 560 F	HX 560 H 55 M	F93-080-9-05501	55	
	HX 560 H 58 M	F93-080-9-05801	58	
	HX 560 H 60 M	F93-080-9-06001	60	
HSX 565 F	HX 565 H 46 M	F93-085-9-04600	46	
	HX 565 H 55 M	F93-085-9-05500	55	
	HX 565 H 60 M	F93-085-9-06000	60	
	HX 565 H 63 M	F93-085-9-06300	63	
	HX 565 H 65 M	F93-085-9-06500	65	
HSX 570 F	HX 570 H 55 M	F93-092-9-05512	55	
	HX 570 H 60 M	F93-092-9-06012	60	
	HX 570 H 65 M	F93-092-9-06512	65	
	HX 570 H 70 M	F93-092-9-07012	70	
	HX 570 H 71 M	F93-092-9-07112	71	
HSX 575 F	HX 575 H 60 M	F93-097-9-06000	60	
	HX 575 H 65 M	F93-097-9-06500	65	
	HX 575 H 75 M	F93-097-9-07500	75	
HSX 580 F	HX 580 H 75 M	F93-102-9-07505	75	
	HX 580 H 77 M	F93-102-9-07705	77	
	HX 580 H 80 M	F93-102-9-08005	80	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (inch) A/F (inch)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 532 F	G51-050-0-00127	1 ¹ / ₄	8.47	1.77	6.52	1.48	1.08	1290.74	5.39
HSX 536 F	G51-050-0-01327	1 ³ / ₈	8.47	1.77	6.64	1.48	1.2	1475.13	5.50
HSX 541 F	G51-050-0-00227	1 ⁹ / ₁₆	8.7	1.77	6.8	1.48	1.36	1991.43	5.61
HSX 546 F	G51-050-0-00327	1 ¹³ / ₁₆	8.67	1.77	6.92	1.48	1.48	2286.45	5.61
HSX 550 F	G51-050-0-00427	1 ¹⁵ / ₁₆	8.7	1.77	7.01	1.48	1.58	3024.02	5.83
HSX 555 F	G51-050-0-00727	2 ¹ / ₈	8.7	1.77	7.25	1.48	1.81	4056.61	5.83
HSX 560 F	G51-050-0-00527	2 ¹ / ₄	8.7	1.77	7.33	1.48	1.89	4056.61	6.05
HSX 565 F	G51-050-0-00627	2 ¹ / ₂	8.96	1.77	7.41	1.48	1.97	4056.61	6.05
HSX 570 F	G51-050-0-00927	2 ³ / ₄	8.96	1.77	7.62	1.48	2.19	4056.61	6.05
HSX 575 F	G51-050-0-01227	2 ¹⁵ / ₁₆	8.98	1.77	7.9	1.48	2.23	4056.61	6.27
HSX 580 F	G51-050-0-00827	3 ¹ / ₈	8.98	1.77	7.96	1.48	2.3	4056.61	6.27
HSX 585 F	G51-050-0-02325	3 ¹ / ₄	9.18	1.77	8.16	1.48	2.48	4056.61	6.60

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 541 F	HX 541 H 156	F93-092-9-04014	1 ⁹ / ₁₆	
HSX 555 F	HX 555 H 163	F93-074-9-04116	1 ⁵ / ₈	
	HX 555 H 169	F93-074-9-04316	1 ¹¹ / ₁₆	
	HX 555 H 175	F93-074-9-04516	1 ³ / ₄	
	HX 555 H 181	F93-074-9-04616	1 ¹³ / ₁₆	
	HX 555 H 188	F93-074-9-04816	1 ⁷ / ₈	
	HX 555 H 194	F93-074-9-04916	1 ¹⁵ / ₁₆	
	HX 555 H 200	F93-074-9-05116	2	
	HX 555 H 206	F93-074-9-05216	2 ¹ / ₁₆	
	HX 555 H 213	F93-074-9-05416	2 ¹ / ₈	
HSX 560 F	HX 560 H 238	F93-080-9-06102	2 ³ / ₈	
HSX 565 F	HX 565 H 250	F93-085-9-06405	2 ¹ / ₂	
	HX 565 H 256	F93-085-9-06605	2 ⁹ / ₁₆	

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 570 F	HX 570 H 213	F93-092-9-05415	2 ¹ / ₈	
	HX 570 H 219	F93-092-9-05615	2 ¹ / ₄	
	HX 570 H 225	F93-092-9-05715	2 ¹ / ₄	
	HX 570 H 238	F93-092-9-06015	2 ³ / ₈	
	HX 570 H 244	F93-092-9-06215	2 ⁷ / ₁₆	
	HX 570 H 250	F93-092-9-06415	2 ¹ / ₂	
	HX 570 H 256	F93-092-9-06515	2 ⁹ / ₁₆	
	HX 570 H 263	F93-092-9-06715	2 ⁵ / ₈	
	HX 570 H 269	F93-092-9-06815	2 ¹¹ / ₁₆	
	HX 570 H 275	F93-092-9-07015	2 ³ / ₄	
HSX 580 F	HX 580 H 313	F93-102-9-07905	3 ¹ / ₈	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 536 W	G51-050-0-00124	max. 36	8.71	1.93	6.8	1.44	1.36	1991.43	6.27
HSX 550 W	G51-050-0-00324	max. 50	8.71	1.93	7.25	1.44	1.81	3687.83	6.49
HSX 555 W	G51-050-0-00424	max. 55	8.96	1.93	7.33	1.44	1.89	4056.61	6.71
HSX 560 W	G51-050-0-00524	max. 60	8.96	1.93	7.45	1.44	2.0	4056.61	6.71
HSX 565 W	G51-050-0-00624	max. 65	8.96	1.93	7.62	1.44	2.19	4056.61	6.71
HSX 570 W	G51-050-0-00824	max. 70	8.98	1.93	7.9	1.44	2.23	4056.61	7.15
HSX 575 W	G51-050-0-00724	max. 75	8.98	1.93	7.96	1.44	2.3	4056.61	7.15
HSX 580 W	G51-050-0-00924	max. 80	9.18	1.77	8.16	1.44	2.48	4056.61	6.60

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 536 W	HXW 536 H 24 M	F93-046-9-02405	24	
	HXW 536 H 27 M	F93-046-9-02705	27	
	HXW 536 H 30 M	F93-046-9-03005	30	
	HXW 536 H 32 M	F93-046-9-03205	32	
	HXW 536 H 36 M	F93-046-9-03605	36	
HSX 550 W	HXW 550 H 30 M	F93-063-9-03001	30	
	HXW 550 H 32 M	F93-063-9-03201	32	
	HXW 550 H 36 M	F93-063-9-03601	36	
	HXW 550 H 41 M	F93-063-9-04101	41	
	HXW 550 H 46 M	F93-063-9-04601	46	
	HXW 550 H 50 M	F93-063-9-05001	50	
HSX 555 W	HXW 555 H 30 M	F93-068-9-03001	30	
	HXW 555 H 32 M	F93-068-9-03201	32	
	HXW 555 H 36 M	F93-068-9-03601	36	
	HXW 555 H 41 M	F93-068-9-04101	41	
	HXW 555 H 46 M	F93-068-9-04601	46	
	HXW 555 H 50 M	F93-068-9-05001	50	
	HXW 555 H 55 M	F93-068-9-05501	55	
HSX 560 W	HXW 560 H 42 M	F93-076-9-04233	42	
	HXW 560 H 46 M	F93-076-9-04633	46	
	HXW 560 H 50 M	F93-076-9-05033	50	
	HXW 560 H 55 M	F93-076-9-05533	55	
	HXW 560 H 60 M	F93-076-9-06033	60	

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 565 W	HXW 565 H 46 M	F93-080-9-04603	46	
	HXW 565 H 50 M	F93-080-9-05003	50	
	HXW 565 H 54 M	F93-080-9-05403	54	
	HXW 565 H 55 M	F93-080-9-05503	55	
	HXW 565 H 58 M	F93-080-9-05803	58	
	HXW 565 H 60 M	F93-080-9-06003	60	
	HXW 565 H 63 M	F93-080-9-06303	63	
	HXW 565 H 65 M	F93-080-9-06503	65	
HSX 570 W	HXW 570 H 46 M	F93-085-9-04601	46	
	HXW 570 H 50 M	F93-085-9-05001	50	
	HXW 570 H 55 M	F93-085-9-05501	55	
	HXW 570 H 60 M	F93-085-9-06001	60	
	HXW 570 H 65 M	F93-085-9-06501	65	
	HXW 570 H 70 M	F93-085-9-07001	70	
HSX 575 W	HXW 575 H 24 M	F93-092-9-02420	24	
	HXW 575 H 27 M	F93-092-9-02720	27	
	HXW 575 H 30 M	F93-092-9-03020	30	
	HXW 575 H 32 M	F93-092-9-03220	32	
	HXW 575 H 36 M	F93-092-9-03620	36	
	HXW 575 H 41 M	F93-092-9-04120	41	
	HXW 575 H 46 M	F93-092-9-04620	46	
	HXW 575 H 50 M	F93-092-9-05020	50	
	HXW 575 H 55 M	F93-092-9-05520	55	
	HXW 575 H 60 M	F93-092-9-06020	60	
	HXW 575 H 65 M	F93-092-9-06520	65	
	HXW 575 H 70 M	F93-092-9-07020	70	
	HXW 575 H 75 M	F93-092-9-07520	75	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (inch) A/F (inch)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 536 W	G51-050-0-00124	max. 1 ³ / ₈	8.7	1.93	6.8	1.44	1.36	1991.43	6.27
HSX 550 W	G51-050-0-00324	max. 1 ¹⁵ / ₁₆	8.7	1.93	7.25	1.44	1.81	3687.83	5.83
HSX 555 W	G51-050-0-00424	max. 2 ¹ / ₈	8.96	1.95	7.33	1.44	1.89	4056.61	6.71
HSX 560 W	G51-050-0-00524	max. 2 ⁵ / ₁₆	8.96	1.95	7.45	1.44	2.01	4056.61	6.71
HSX 565 W	G51-050-0-00624	max. 2 ¹ / ₂	8.97	1.97	7.62	1.44	2.19	4056.61	6.71
HSX 570 W	G51-050-0-00824	max. 2 ³ / ₄	8.98	1.97	7.9	1.44	2.23	4056.61	7.15
HSX 575 W	G51-050-0-00724	max. 2 ¹⁵ / ₁₆	8.98	1.97	7.96	1.44	2.31	4056.61	7.15
HSX 580 W	G51-050-0-00924	max. 3 ¹ / ₈	9.18	1.77	8.16	1.44	2.48	4056.61	6.60

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 536 W	HXW 536 H 094	F93-046-9-02406	1 ⁵ / ₁₆	
	HXW 536 H 100	F93-046-9-02506	1	
	HXW 536 H 106	F93-046-9-02706	1 ¹ / ₁₆	
	HXW 536 H 113	F93-046-9-02906	1 ¹ / ₈	
	HXW 536 H 119	F93-046-9-03006	1 ³ / ₁₆	
	HXW 536 H 125	F93-046-9-03206	1 ¹ / ₄	
	HXW 536 H 131	F93-046-9-03306	1 ⁵ / ₁₆	
	HXW 536 H 138	F93-046-9-03506	1 ³ / ₈	
HSX 550 W	HXW 550 H 163	F93-063-9-04102	1 ⁵ / ₈	
	HXW 550 H 169	F93-063-9-04302	1 ¹¹ / ₁₆	
	HXW 550 H 175	F93-063-9-04502	1 ³ / ₄	
	HXW 550 H 181	F93-063-9-04602	1 ¹³ / ₁₆	
	HXW 550 H 188	F93-063-9-04802	1 ⁷ / ₈	
	HXW 550 H 194	F93-063-9-04902	1 ¹⁵ / ₁₆	

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 555 W	HXW 555 H 181	F93-068-9-04604	1 ¹³ / ₁₆	
	HXW 555 H 188	F93-068-9-04804	1 ⁷ / ₈	
	HXW 555 H 194	F93-068-9-04904	1 ¹⁵ / ₁₆	
	HXW 555 H 200	F93-068-9-05104	2	
	HXW 555 H 206	F93-068-9-05204	2 ¹ / ₁₆	
	HXW 555 H 213	F93-068-9-05404	2 ¹ / ₈	
	HXW 555 H 219	F93-068-9-05604	2 ³ / ₁₆	
HSX 560 W	HXW 560 H 219	F93-076-9-05633	2 ³ / ₁₆	
HSX 565 W	HXW 565 H 194	F93-080-9-04904	1 ¹⁵ / ₁₆	
	HXW 565 H 200	F93-080-9-05104	2	
	HXW 565 H 206	F93-080-9-05204	2 ¹ / ₁₆	
	HXW 565 H 213	F93-080-9-05404	2 ¹ / ₈	
	HXW 565 H 219	F93-080-9-05604	2 ³ / ₁₆	
	HXW 565 H 225	F93-080-9-05704	2 ¹ / ₄	
	HXW 565 H 238	F93-080-9-06004	2 ³ / ₈	
	HXW 565 H 244	F93-080-9-06204	2 ⁷ / ₁₆	
	HXW 565 H 250	F93-080-9-06404	2 ¹ / ₂	
	HXW 565 H 256	F93-080-9-06504	2 ⁹ / ₁₆	
HSX 570 W	HXW 570 H 238	F93-085-9-06002	2 ³ / ₈	
	HXW 570 H 256	F93-085-9-06502	2 ⁹ / ₁₆	
	HXW 570 H 263	F93-085-9-06702	2 ⁵ / ₈	
	HXW 570 H 269	F93-085-9-06802	2 ¹¹ / ₁₆	
	HXW 570 H 275	F93-085-9-07002	2 ³ / ₄	
HSX 575 W	HXW 575 H 238	F93-092-9-06022	2 ³ / ₈	
	HXW 575 H 244	F93-092-9-06222	2 ⁷ / ₁₆	
	HXW 575 H 250	F93-092-9-06422	2 ¹ / ₂	
	HXW 575 H 256	F93-092-9-06522	2 ⁹ / ₁₆	
	HXW 575 H 263	F93-092-9-06722	2 ⁵ / ₈	
	HXW 575 H 269	F93-092-9-06822	2 ¹¹ / ₁₆	
	HXW 575 H 275	F93-092-9-07022	2 ³ / ₄	
	HXW 575 H 281	F93-092-9-07122	2 ¹³ / ₁₆	
	HXW 575 H 294	F93-092-9-07522	2 ¹⁵ / ₁₆	

SX - EC 12

Antriebseinheit Drive unit	Code Nr. Code no.	Leistungsbereich Performance range	B2	Gewicht Weight
SX - EC 12 TS	G52-120-0-00315	885.08 - 8850.79 ft lbs	2.52 inch	8.36 lbs
SX - EC 12 MS-O	G52-120-0-00115	885.08 - 8850.79 ft lbs	2.52 inch	8.58 lbs
SX - EC 12 MS-H	G52-120-0-00415	885.08 - 8850.79 ft lbs	2.52 inch	8.58 lbs
SX - EC 12 MF	G52-120-0-00215	885.08 - 8850.79 ft lbs	2.52 inch	8.36 lbs

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 12055 F	G51-120-0-00520	55	11.43	2.0	8.45	1.28	1.93	5531.74	8.58
HSX 12060 F	G51-120-0-00620	60	11.56	2.0	8.57	1.28	2.05	5531.74	8.58
HSX 12065 F	G51-120-0-01320	65	11.68	2.0	8.67	1.28	2.15	5900.52	5.58
HSX 12070 F	G51-120-0-00720	70	11.74	2.0	8.9	1.28	2.4	8482.00	8.80
HSX 12075 F	G51-120-0-01520	75	11.74	2.0	8.98	1.28	2.4	8850.79	8.80
HSX 12080 F	G51-120-0-00120	80	11.74	2.0	9.14	1.28	2.6	8850.79	9.02
HSX 12085 F	G51-120-0-01120	85	11.82	2.0	9.24	1.28	2.72	8850.79	9.24
HSX 12090 F	G51-120-0-01220	90	11.82	2.0	9.37	1.28	2.86	8850.79	9.24
HSX 12095 F	G51-120-0-00220	95	11.82	2.0	9.37	1.28	2.86	8850.79	9.46
HSX 12100 F	G51-120-0-00326	100	11.82	2.0	9.67	1.28	2.95	8850.79	9.68
HSX 12105 F	G51-120-0-01620	105	11.84	2.0	9.73	1.28	3.01	8850.79	9.90
HSX 12110 F	G51-120-0-00826	110	12.02	2.0	10.17	1.28	3.27	8850.79	10.12
HSX 12120 F	G51-120-0-01420	120	12.25	2.0	10.42	1.28	3.35	8850.79	10.12

Ratschenkopf Ratched head	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 12060 F	HX 12060 H 50 M	F93-086-9-05022	50	
	HX 12060 H 51 M	F93-086-9-05122	51	
	HX 12060 H 55 M	F93-086-9-05522	55	
	HX 12060 H 56 M	F93-086-9-05622	56	
	HX 12060 H 60 M	F93-086-9-06022	60	
HSX 12065 F	HX 12065 H 50 M	F93-090-9-05007	50	
	HX 12060 H 55 M	F93-090-9-05507	55	
	HX 12060 H 60 M	F93-090-9-06007	60	
	HX 12060 H 63 M	F93-090-9-06307	63	
	HX 12060 H 65 M	F93-090-9-06507	65	
HSX 12070 F	HX 12070 H 50 M	F93-098-9-05003	50	
	HX 12070 H 55 M	F93-098-9-05503	55	
	HX 12070 H 60 M	F93-098-9-06003	60	
	HX 12070 H 65 M	F93-098-9-06503	65	
	HX 12070 H 67 M	F93-098-9-06703	67	
	HX 12070 H 70 M	F93-098-9-07003	70	
HSX 12075 F	HX 12075 H 46 M	F93-102-9-04610	46	
	HX 12075 H 55 M	F93-102-9-05510	55	
	HX 12075 H 60 M	F93-102-9-06010	60	
	HX 12075 H 65 M	F93-102-9-06510	65	
	HX 12075 H 70 M	F93-102-9-07010	70	
	HX 12075 H 75 M	F93-102-9-07510	75	
HSX 12080 F	HX 12080 H 57 M	F93-108-9-05710	57	
	HX 12080 H 65 M	F93-108-9-06510	65	
	HX 12080 H 70 M	F93-108-9-07010	70	
	HX 12080 H 71 M	F93-108-9-07110	71	
	HX 12080 H 75 M	F93-108-9-07510	75	
	HX 12080 H 77 M	F93-108-9-07710	77	
	HX 12080 H 80 M	F93-108-9-08010	80	

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 12085 F	HX 12085 H 80 M	F93-108-9-05710	57	
	HX 12085 H 85 M	F93-108-9-06510	65	
HSX 12090 F	HX 12090 H 75 M	F93-122-9-07522	75	
	HX 12090 H 80 M	F93-122-9-08022	80	
	HX 12090 H 85 M	F93-122-9-08522	85	
	HX 12090 H 90 M	F93-122-9-09022	90	
HSX 12095 F	HX 12095 H 65 M	F93-123-9-06501	65	
	HX 12095 H 70 M	F93-123-9-07001	70	
	HX 12095 H 75 M	F93-123-9-07501	75	
	HX 12095 H 80 M	F93-123-9-08001	80	
	HX 12095 H 85 M	F93-123-9-08501	85	
	HX 12095 H 90 M	F93-123-9-09001	90	
	HX 12095 H 95 M	F93-123-9-09501	95	
HSX 12100 F	HX 12100 H 70 M	F93-130-9-07005	70	
	HX 12100 H 75 M	F93-130-9-07505	75	
	HX 12100 H 80 M	F93-130-9-08005	80	
	HX 12100 H 85 M	F93-130-9-08505	85	
	HX 12100 H 90 M	F93-130-9-09005	90	
	HX 12100 H 95 M	F93-130-9-09505	95	
	HX 12100 H 100 M	F93-130-9-10005	100	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (inch) A/F (inch)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 12055 F	G51-120-0-00525	2 1/8	11.43	2.0	8.45	1.28	1.93	5531.74	8.58
HSX 12060 F	G51-120-0-00625	2 5/16	11.56	2.0	8.57	1.28	2.05	5531.74	8.58
HSX 12065 F	G51-120-0-01325	2 1/2	11.68	2.0	8.67	1.28	2.15	5900.52	8.58
HSX 12070 F	G51-120-0-00725	2 3/4	11.74	2.0	8.9	1.28	2.4	8482.00	8.80
HSX 12075 F	G51-120-0-01425	2 15/16	11.74	2.0	8.98	1.28	2.46	8850.79	8.80
HSX 12080 F	G51-120-0-00125	3 1/8	11.74	2.0	9.14	1.28	2.62	8850.79	9.02
HSX 12085 F	G51-120-0-01125	3 5/16	11.82	2.0	9.24	1.28	2.72	8850.79	9.24
HSX 12090 F	G51-120-0-01225	3 1/2	11.82	2.0	9.38	1.28	2.86	8850.79	9.24
HSX 12095 F	G51-120-0-00225	3 3/4	11.82	2.0	9.38	1.28	2.86	8850.79	9.46
HSX 12100 F	G51-120-0-00526	3 7/8	11.82	2.0	9.67	1.28	2.96	8850.79	9.68
HSX 12105 F	G51-120-0-01725	4 1/8	11.84	2.0	9.73	1.28	3.01	8850.79	9.90
HSX 12110 F	G51-120-0-00825	4 1/4	12.02	2.0	10.16	1.28	3.27	8850.79	10.12
HSX 12120 F	G51-120-0-01525	4 5/8	12.25	2.0	10.42	1.28	3.35	8850.79	10.12

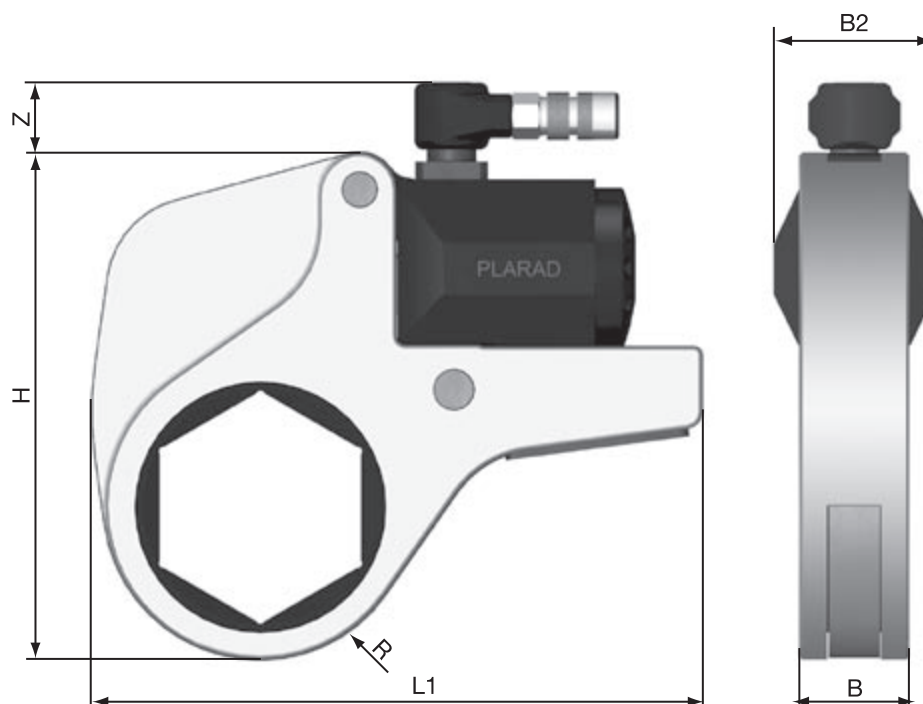
Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 12100 F	HX 12100 H 388	F93-130-9-09905	3 7/8	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 12055 W	G51-120-0-00924	max. 55	11.68	2.25	8.67	1.28	2.15	5900.52	9.24
HSX 12060 W	G51-120-0-01224	max. 60	11.74	2.25	8.92	1.28	2.4	5531.74	9.24
HSX 12065 W	G51-120-0-00424	max. 65	11.74	2.25	8.92	1.28	2.4	8113.22	9.46
HSX 12070 W	G51-120-0-00126	max. 70	11.82	2.29	9.24	1.28	2.72	8482.00	9.90
HSX 12075 W	G51-120-0-00324	max. 75	11.82	2.29	9.38	1.28	2.86	8850.79	9.90
HSX 12080 W	G51-120-0-00124	max. 80	11.82	2.29	9.24	1.28	2.72	8850.79	9.90
HSX 12085 W	G51-120-0-00224	max. 85	11.82	2.29	9.38	1.28	2.86	8850.79	9.90
HSX 12090 W	G51-120-0-00226	max. 90	11.82	2.29	9.67	1.28	2.95	8113.22	10.12
HSX 12095 W	G51-120-0-01124	max. 95	11.84	2.29	9.73	1.28	3.01	8850.79	10.34
HSX 12115 W	G51-120-0-01324	max. 115	12.45	2.29	10.78	1.28	3.55	8850.79	10.78

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 12055 W	HXW 12055 H 41M	F93-074-9-04117	41	
	HXW 12055 H 46M	F93-074-9-04617	46	
	HXW 12055 H 50M	F93-074-9-05017	50	
	HXW 12055 H 55M	F93-074-9-05517	55	
HSX 12065 W	HXW 12065 H 36M	F93-082-9-03601	36	
	HXW 12065 H 41M	F93-082-9-04101	41	
	HXW 12065 H 46M	F93-082-9-04601	46	
	HXW 12065 H 50M	F93-082-9-05001	50	
	HXW 12065 H 55M	F93-082-9-05501	55	
	HXW 12065 H 60M	F93-082-9-06001	60	
	HXW 12065 H 65M	F93-082-9-06501	65	
HSX 12070 W	HXW 12070 H 56M	F93-096-9-05632	56	
	HXW 12070 H 70M	F93-096-9-07032	70	
HSX 12075 W	HXW 12075 H 55M	F93-102-9-05512	55	
	HXW 12075 H 60M	F93-102-9-06012	60	
	HXW 12075 H 65M	F93-102-9-06512	65	
	HXW 12075 H 70M	F93-102-9-07012	70	
	HXW 12075 H 75M	F93-102-9-07512	75	
HSX 12080 W	HXW 12080 H 46M	F93-100-9-04602	46	
	HXW 12080 H 50M	F93-100-9-05002	50	
	HXW 12080 H 55M	F93-100-9-05502	55	
	HXW 12080 H 60M	F93-100-9-06002	60	
	HXW 12080 H 65M	F93-100-9-06502	65	
	HXW 12080 H 70M	F93-100-9-07002	70	
	HXW 12080 H 75M	F93-100-9-07502	75	
	HXW 12080 H 80M	F93-100-9-08002	80	
HSX 12085 W	HXW 12085 H 41M	F93-106-9-04101	41	
	HXW 12085 H 46M	F93-106-9-04601	46	
	HXW 12085 H 50M	F93-106-9-05001	50	
	HXW 12085 H 55M	F93-106-9-05501	55	
	HXW 12085 H 60M	F93-106-9-06001	60	
	HXW 12085 H 65M	F93-106-9-06501	65	
	HXW 12085 H 70M	F93-106-9-07001	70	
	HXW 12085 H 75M	F93-106-9-07501	75	
	HXW 12085 H 77M	F93-106-9-07701	77	
	HXW 12085 H 80M	F93-106-9-08001	80	
	HXW 12085 H 85M	F93-106-9-08501	85	
HSX 12090 W	HXW 12090 H 70M	F93-114-9-07001	70	
	HXW 12090 H 75M	F93-114-9-07501	75	
	HXW 12090 H 80M	F93-114-9-08001	80	
	HXW 12090 H 85M	F93-114-9-08501	85	
	HXW 12090 H 90M	F93-114-9-09001	90	
HSX 12095 W	HXW 12095 H 65M	F93-118-9-06501	65	
	HXW 12095 H 75M	F93-118-9-07501	75	
	HXW 12095 H 77M	F93-118-9-07701	77	
	HXW 12095 H 80M	F93-118-9-08001	80	
	HXW 12095 H 85M	F93-118-9-08501	85	
	HXW 12095 H 90M	F93-118-9-09001	90	
HSX 12115 W	HXW 12115 H 75M	F93-144-9-07509	75	
	HXW 12115 H 100M	F93-144-9-10009	100	
	HXW 12115 H 115M	F93-144-9-11509	115	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (inch) A/F (inch)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 12055 W	G51-120-0-00924	max. 2 ¹ / ₈	11.68	2.25	8.67	1.28	2.15	5900.52	9.24
HSX 12060 W	G51-120-0-01224	max. 2 ⁵ / ₁₆	11.74	2.25	8.92	1.28	2.4	5531.74	9.24
HSX 12065 W	G51-120-0-00424	max. 2 ¹ / ₂	11.74	2.25	8.92	1.28	2.4	8113.22	9.46
HSX 12070 W	G51-120-0-00126	max. 2 ³ / ₄	11.82	2.29	9.24	1.28	2.72	8482.00	9.90
HSX 12075 W	G51-120-0-00324	max. 2 ¹⁵ / ₁₆	11.82	2.29	9.38	1.28	2.86	8850.79	9.90
HSX 12080 W	G51-120-0-00124	max. 3 ¹ / ₈	11.82	2.29	9.24	1.28	2.72	8850.79	9.90
HSX 12085 W	G51-120-0-00224	max. 3 ⁵ / ₁₆	11.82	2.29	9.38	1.28	2.86	8850.79	9.90
HSX 12090 W	G51-120-0-00226	max. 3 ¹ / ₂	11.82	2.29	9.67	1.28	2.96	8113.22	10.12
HSX 12095 W	G51-120-0-01124	max. 3 ⁵ / ₈	11.84	2.29	9.73	1.28	3.01	8850.79	10.34
HSX 12115 W	G51-120-0-01324	max. 4 ¹ / ₂	12.45	2.29	10.78	1.28	3.55	8850.79	10.78

Ratschenkopf Ratched head	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (inch) A/F (inch)	Bemerkung notice
HSX 12055 W	HXW 12055 H 200	F93-074-9-05118	2	
HSX 12065 W	HXW 12065 H 256	F93-082-9-06502	2 ⁹ / ₁₆	
HSX 12080 W	HXW 12080 H 181	F93-100-9-04603	1 ¹³ / ₁₆	
	HXW 12080 H 188	F93-100-9-04803	1 ⁷ / ₈	
	HXW 12080 H 194	F93-100-9-05003	1 ¹⁵ / ₁₆	
	HXW 12080 H 200	F93-100-9-05103	2	
	HXW 12080 H 206	F93-100-9-05203	2 ¹ / ₁₆	
	HXW 12080 H 213	F93-100-9-05403	2 ¹ / ₈	
	HXW 12080 H 219	F93-100-9-05603	2 ³ / ₁₆	
	HXW 12080 H 225	F93-100-9-05703	2 ¹ / ₄	
	HXW 12080 H 238	F93-100-9-06003	2 ³ / ₈	
	HXW 12080 H 244	F93-100-9-06203	2 ⁷ / ₁₆	
	HXW 12080 H 250	F93-100-9-06403	2 ¹ / ₂	
	HXW 12080 H 256	F93-100-9-06503	2 ⁹ / ₁₆	
	HXW 12080 H 263	F93-100-9-06703	2 ⁵ / ₈	
	HXW 12080 H 269	F93-100-9-06803	2 ¹¹ / ₁₆	
	HXW 12080 H 275	F93-100-9-07003	2 ³ / ₄	
	HXW 12080 H 281	F93-100-9-07103	2 ¹³ / ₁₆	
	HXW 12080 H 294	F93-100-9-07503	2 ¹⁵ / ₁₆	
	HXW 12080 H 300	F93-100-9-07603	3	
	HXW 12080 H 313	F93-100-9-08003	3 ¹ / ₈	
HSX 12085 W	HXW 12085 H 300	F93-106-9-07602	3	
	HXW 12085 H 313	F93-106-9-08002	3 ¹ / ₈	
	HXW 12085 H 325	F93-106-9-08302	3 ¹ / ₄	
	HXW 12085 H 331	F93-106-9-08402	3 ⁵ / ₁₆	



SX - 20

Antriebseinheit Drive unit	Code Nr. Code no.	Leistungsbereich Performance range	B2	Gewicht Weight
SX - 20 TST	G52-200-0-00114	1475.13 - 14751.31 ft lbs	3.78 inch	12.98 lbs

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 20055 F	G51-200-0-01225	55	13.4	2.58	12.05	1.6	2.09	8850.76	21.12
HSX 20065 F	G51-200-0-00225	65	13.67	2.58	10.64	1.6	2.33	9588.35	21.34
HSX 20075 F	G51-200-0-00325	75	13.95	2.58	10.74	1.6	2.42	10325.9	21.78
HSX 20080 F	G51-200-0-00925	80	13.99	2.58	10.87	1.6	2.56	11432.3	22.00
HSX 20090 F	G51-200-0-00425	90	14.07	2.58	11.09	1.6	2.78	11801.1	22.22
HSX 20095 F	G51-200-0-00525	95	14.07	2.58	11.29	1.6	2.97	14751.3	22.88
HSX 20105 F	G51-200-0-00625	105	14.18	2.58	11.66	1.6	3.25	14751.3	23.32
HSX 20110 F	G51-200-0-00725	110	14.26	2.58	11.68	1.6	3.37	14751.3	23.98
HSX 20115 F	G51-200-0-01125	115	14.18	2.58	11.76	1.6	3.45	14751.3	24.42
HSX 20120 F	G51-200-0-00825	120	14.0	2.58	11.88	1.6	3.57	14751.3	24.86
HSX 20130 F	G51-200-0-01025	130	14.46	2.58	12.37	1.6	3.74	14751.3	27.28
HSX 20135 F	G51-200-0-01325	135	14.54	2.58	12.45	1.6	3.82	14751.3	28.16
HSX 20145 F	G51-200-0-01625	145	14.85	2.58	13.12	1.6	4.14	14751.3	30.14

Ratschenkopf Ratched head	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 20065 F	HX 20065 H 65 M	F93-094-9-06502	65	
HSX 20075 F	HX 20075 H 50 M	F93-102-9-05011	50	
	HX 20075 H 55 M	F93-102-9-05511	55	
	HX 20075 H 65 M	F93-102-9-06511	65	
	HX 20075 H 70 M	F93-102-9-07011	70	
	HX 20075 H 75 M	F93-102-9-07511	75	
HSX 20080 F	HX 20080 H 75 M	F93-108-9-07509	75	
	HX 20080 H 77 M	F93-108-9-07709	77	
	HX 20080 H 80 M	F93-108-9-08009	80	
HSX 20095 F	HX 20095 H 80 M	F93-126-9-08009	80	
	HX 20095 H 85 M	F93-126-9-08509	85	
	HX 20095 H 90 M	F93-126-9-09009	90	
	HX 20095 H 95 M	F93-126-9-09509	95	

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 20105 F	HX 20105 H 105 M	F93-138-9-10501	105	
HSX 20110 F	HX 20110 H 110 M	F93-146-9-11001	110	
HSX 20115 F	HX 20115 H 110 M	F93-148-9-11000	110	
	HX 20115 H 115 M	F93-148-9-11500	115	
HSX 20130 F	HX 20130 H 130 M	F93-166-9-13001	130	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm/) A/F (mm/)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 20065 F	G51-200-0-00227	2 1/2	13.67	2.58	10.64	1.6	2.33	9588.35	21.34
HSX 20075 F	G51-200-0-00327	2 15/16	13.95	2.58	10.74	1.6	2.42	10325.9	21.78
HSX 20080 F	G51-200-0-01327	3 1/8	13.99	2.58	10.88	1.6	2.56	11432.3	22.00
HSX 20090 F	G51-200-0-00427	3 1/2	14.07	2.58	11.09	1.6	2.78	11801.1	22.22
HSX 20095 F	G51-200-0-00527	3 5/8	14.07	2.58	11.29	1.6	2.98	14751.3	22.88
HSX 20105 F	G51-200-0-00627	4 1/8	14.18	2.58	11.66	1.6	3.25	14751.3	23.32
HSX 20110 F	G51-200-0-00727	4 5/16	14.26	2.58	11.68	1.6	3.37	14751.3	23.98
HSX 20120 F	G51-200-0-00827	4 5/8	14.3	2.58	11.88	1.6	3.57	14751.3	24.86
HSX 20130 F	G51-200-0-00927	5 1/16	14.46	2.58	12.37	1.6	3.74	14751.3	27.28
HSX 20135 F	G51-200-0-01326	5 1/4	14.54	2.58	12.45	1.6	3.82	14751.3	28.16
HSX 20145 F	G51-200-0-01626	5 3/8	14.85	2.58	13.12	1.6	4.14	14751.3	30.14
HSX 20065 W	G51-200-0-00624	max. 65	13.95	2.58	10.74	1.6	2.42	10325.9	24.20
HSX 20085 W	G51-200-0-00224	max. 85	14.07	2.58	11.29	1.6	2.98	14751.3	24.42
HSX 20095 W	G51-200-0-00324	max. 95	14.18	2.58	11.66	1.6	3.35	14751.3	24.86
HSX 20105 W	G51-200-0-01224	max. 105	14.18	2.58	11.76	1.6	3.45	14751.3	25.52
HSX 20115 W	G51-200-0-01124	max. 115	14.34	2.58	11.92	1.6	3.6	14751.3	26.18
HSX 20120 W	G51-200-0-01024	max. 120	14.46	2.58	12.37	1.6	3.74	14751.3	27.28
HSX 20135 W	G51-200-0-01324	max. 135	14.85	2.58	13.12	1.6	4.14	14751.3	28.38
HSX 20065 W	G51-200-0-00624	max. 2 1/2	13.95	2.58	10.74	1.6	2.42	10325.9	24.20
HSX 20085 W	G51-200-0-00224	max. 3 5/16	14.07	2.58	11.29	1.6	2.98	14751.3	24.42
HSX 20095 W	G51-200-0-00324	max. 3 5/8	14.18	2.58	11.66	1.6	3.35	14751.3	24.86
HSX 20105 W	G51-200-0-01224	max. 4 1/8	14.18	2.58	11.76	1.6	3.45	14751.3	25.52
HSX 20115 W	G51-200-0-01124	max. 4 1/2	14.34	2.58	11.92	1.6	3.6	14751.3	26.18
HSX 20120 W	G51-200-0-01024	max. 4 5/8	14.46	2.58	12.37	1.6	3.74	14751.3	27.28
HSX 20135 W	G51-200-0-01324	max. 5 5/8	14.85	2.58	13.12	1.6	4.14	14751.3	28.38

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 20095 W	HXW 20095 H 65 M	F93-122-9-06523	65	
	HXW 20095 H 75 M	F93-122-9-07523	75	
	HXW 20095 H 85 M	F93-122-9-08523	85	
	HXW 20095 H 95 M	F93-122-9-09523	95	
HSX 20105 W	HXW 20105 H 75 M	F93-132-9-07501	75	
	HXW 20105 H 77 M	F93-132-9-07701	77	
	HXW 20105 H 80 M	F93-132-9-08001	80	
	HXW 20105 H 85 M	F93-132-9-08501	85	
	HXW 20105 H 90 M	F93-132-9-09001	90	
	HXW 20105 H 95 M	F93-132-9-09501	95	
	HXW 20105 H 100 M	F93-132-9-10001	100	
	HXW 20105 H 105 M	F93-132-9-10501	105	
HSX 20115 W	HXW 20115 H 109 M	F93-144-9-10906	109	
	HXW 20115 H 110 M	F93-144-9-11008	110	
	HXW 20115 H 115 M	F93-144-9-11508	115	

Ratschenkopf <i>Ratched head</i>	Wechseleinsatz Changeable insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 20120 W	HXW 20120 H 105 M	F93-150-9-10501	105	
	HXW 20120 H 110 M	F93-150-9-11001	110	
	HXW 20120 H 115 M	F93-150-9-11501	115	
	HXW 20120 H 120 M	F93-150-9-12001	120	
HSX 20120 W	HXW 20120 HD 105 M	F93-150-8-10501	105	
	HXW 20120 HD 110 M	F93-150-8-11001	110	
	HXW 20120 HD 115 M	F93-150-8-11501	115	
	HXW 20120 HD 120 M	F93-150-8-12001	120	

SX - 30

Antriebseinheit Drive unit	Code Nr. Code no.	Leistungsbereich Performance range	B2	Gewicht Weight
SX - 30 TST	G52-300-0-00114	2212.69 - 22127.0 ft lbs	4.04 inch	19.14 lbs

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm) A/F (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 30095 F	G51-300-0-00821	95	14.95	3.03	11.92	2.25	3.03	22127.0	36.52
HSX 30100 F	G51-300-0-01221	100	14.95	3.03	12.53	2.25	3.65	22127.0	36.96
HSX 30115 F	G51-300-0-00521	115	14.95	3.03	12.53	2.25	3.65	22127.0	37.84
HSX 30130 F	G51-300-0-00621	130	15.31	3.03	12.9	2.25	3.92	22127.0	39.16
HSX 30145 F	G51-300-0-00721	145	15.96	3.03	13.79	2.25	4.41	22127.0	40.48

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 30115 F	HX 30115 H 115 M	F93-152-9-11502	115	
HSX 30130 F	HX 30130 H 130 M	F93-168-9-13000	130	
HSX 30145 F	HX 30145 H 145 M	F93-188-9-14500	145	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm/ A/F (mm/))	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 30095 F	G51-300-0-00822	3 ³ / ₄	14.95	3.03	11.92	2.25	3.03	22127.0	36.52
HSX 30100 F	G51-300-0-01224	3 ⁷ / ₈	14.95	3.03	12.53	2.25	3.65	22127.0	36.96
HSX 30115 F	G51-300-0-00124	4 ¹ / ₂	14.95	3.03	12.53	2.25	3.65	22127.0	37.84
HSX 30130 F	G51-300-0-00222	5	15.31	3.03	12.9	2.25	3.92	22127.0	39.16
HSX 30145 F	G51-300-0-00725	5 ⁵ / ₈	15.96	3.03	13.79	2.25	4.41	22127.0	40.48
HSX 30115 W	G51-300-0-00521	max. 115	15.31	3.03	12.9	2.25	3.92	22127.0	38.50
HSX 30130 W	G51-300-0-00621	max. 130	15.96	3.03	13.79	2.25	4.41	22127.0	40.26
HSX 30115 W	G51-300-0-00521	max. 4 ¹ / ₂	15.31	3.03	12.9	2.25	3.92	22127.0	38.50
HSX 30130 W	G51-300-0-00621	max. 5	15.96	3.03	13.79	2.25	4.41	22127.0	40.26

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 30115 W	HXW 30115 H 80 M	F93-147-9-08000	80	
	HXW 30115 H 95 M	F93-147-9-09500	95	
	HXW 30115 H 105 M	F93-147-9-10500	105	
	HXW 30115 H 110 M	F93-147-9-11000	110	
	HXW 30115 H 115 M	F93-147-9-11500	115	
HSX 30130 W	HXW 30130 H 130 M	F93-166-9-13003	130	

SX - 45

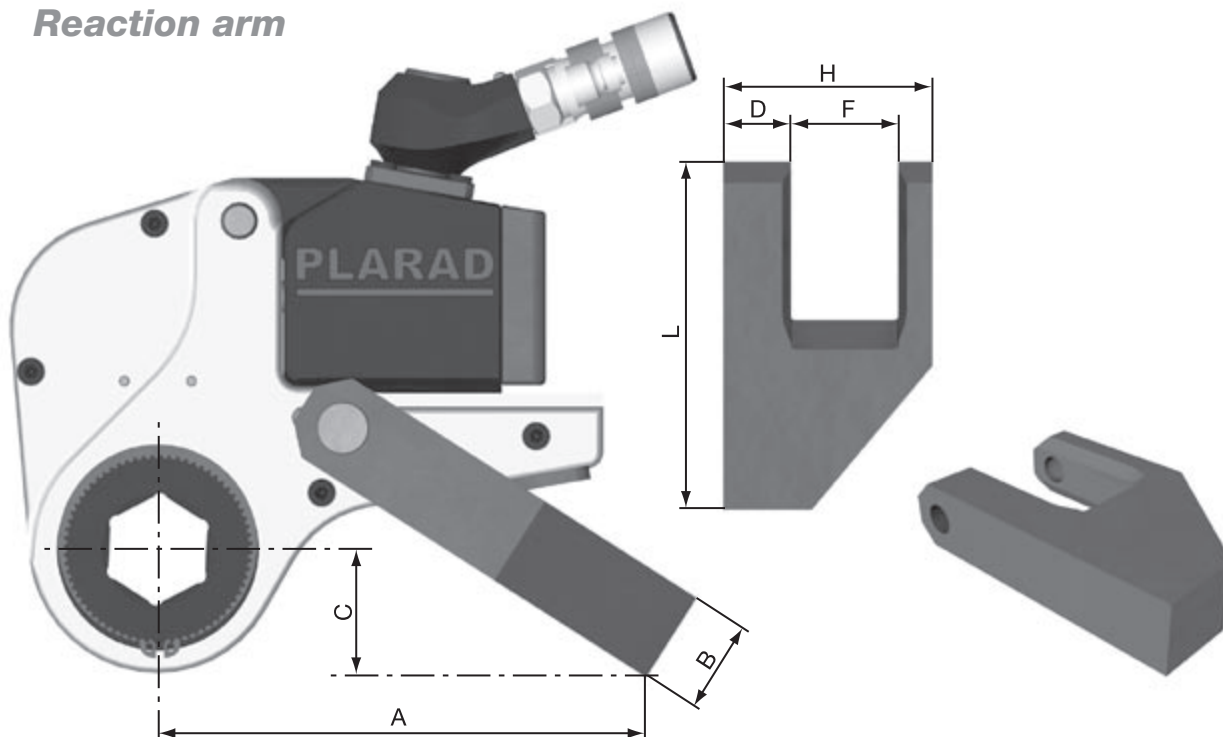
Antriebseinheit Drive unit	Code Nr. Code no.	Leistungsbereich Performance range	B2	Gewicht Weight
SX - 45 TST	G52-450-0-00114	3319.04 - 33190.4 ft lbs	43.73 inch	28.9 lbs

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 45120 F	G51-450-0-00320	120	15.5	3.39	13.18	1.85	3.78	33190.4	43.78
HSX 45135 F	G51-450-0-00520	135	15.8	3.39	14.03	1.85	4.3	33190.4	46.42
HSX 45155 F	G51-450-0-00220	155	16.78	3.39	14.81	1.85	4.69	33190.4	48.40
HSX 45165 F	G51-450-0-00521	165	16.92	3.39	14.95	1.85	4.83	33190.4	50.60
HSX 45185 F	G51-450-0-00820	185	17.87	3.39	15.78	1.85	5.22	33190.4	53.24

Ratschenkopf <i>Ratched head</i>	Sechskanteinsatz Hexagon key insert	Code Nr. Code no.	SW (mm) A/F (mm)	Bemerkung notice
HSX 45120 F	HX 45120 H 120 M	F93-160-9-12000	120	
HSX 45135 F	HX 45135 H 135 M	F93-178-9-13500	135	
HSX 45155 F	HX 45155 H 155 M	F93-200-9-15500	155	

Ratschenkopf Ratchet head	Code Nr. Code no.	SW (mm/) A/F (mm/)	L1 (inch)	B (inch)	H (inch)	Z (inch)	R (inch)	MT _{max} (ft lbs)	Gewicht Weight (lbs)
HSX 45120 F	G51-450-0-00320	120	15.5	3.39	13.18	1.85	3.78	33190.4	43.78
HSX 45135 F	G51-450-0-00520	135	15.8	3.39	14.03	1.85	4.3	33190.4	46.42
HSX 45155 F	G51-450-0-00220	155	16.78	3.39	14.81	1.85	4.69	33190.4	48.40
HSX 45165 F	G51-450-0-00521	165	16.92	3.39	14.95	1.85	4.83	33190.4	50.60
HSX 45185 F	G51-450-0-00820	185	17.87	3.39	15.78	1.85	5.22	33190.4	53.24
HSX 45120 F	G51-450-0-00325	4 ^{5/8}	15.5	3.39	13.18	1.85	3.78	33190.4	43.78
HSX 45155 F	G51-450-0-00224	5 ^{3/4}	16.78	3.39	14.81	1.85	4.69	33190.4	48.40
HSX 45185 F	G51-450-0-00823	7 ^{1/4}	17.87	3.39	15.78	1.85	5.22	33190.4	53.24
HSX 45145 W	G51-450-0-00130	max. 145	16.92	3.39	14.95	1.85	4.83	33190.4	52.36
HSX 45145 W	G51-450-0-00130	max. 5 ^{3/8}	16.92	3.39	14.95	1.85	4.83	33190.4	52.36

Abstützung *Reaction arm*



Abstützung Reaction arm	Code Nr. Code no.	A (inch)	B (inch)	C (inch)	D (inch)	F (inch)	H (inch)	L (inch)	Gewicht Weight (lbs)
HSX 1 .. AR	B51-010-1-00120	5.28	0.79	0.91	0.79	1.28	2.38	4.53	0.99
HSX 2 .. AR	B51-025-1-00800	6.86	1.18	2.05	1.14	1.58	3.11	6.3	1.65
HSX 5 .. AR	B51-050-1-01201	7.57	1.34	1.42	1.16	1.97	3.44	6.38	3.08
HSX 12 .. AR	B51-120-1-00100	13.16	1.95	3.27	1.24	2.13	4.18	11.82	7.04
HSX 20 .. AR	B51-200-1-00100	11.11	2.17	1.97	2.36	2.59	5.73	9.06	9.02
HSX 30 .. AR	B51-300-1-00100	13.2	2.56	1.85	2.76	3.05	6.8	11.13	12.32
HSX 45 .. AR	B51-450-1-00100	14.66	3.35	2.86	3.15	3.41	8.33	13.2	25.30

In-Out-Nuss *In-out socket*

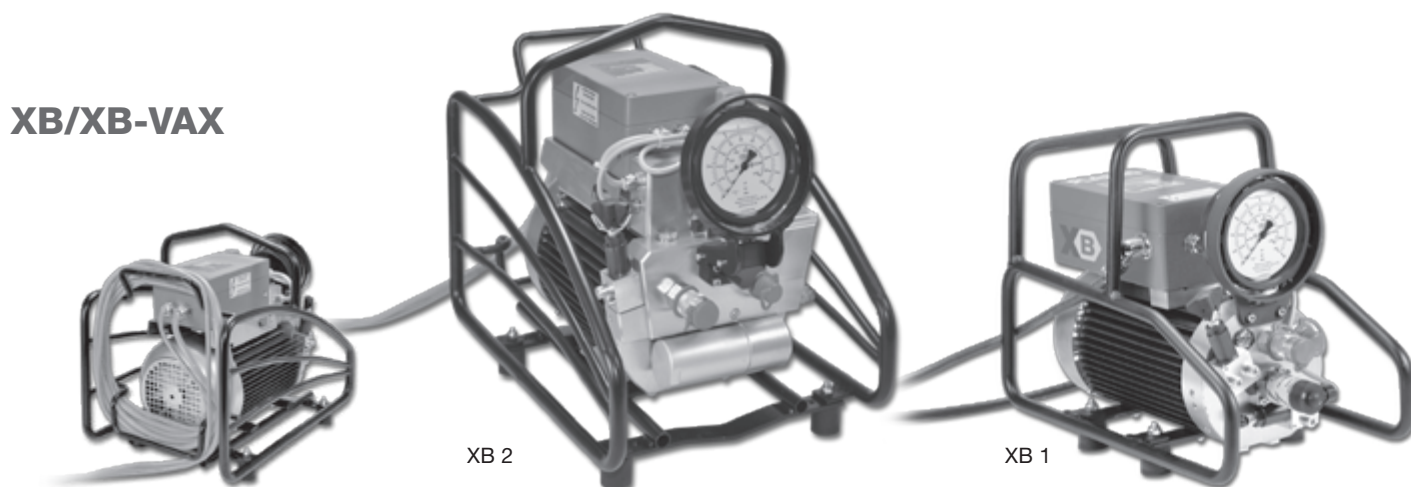


In-Out-Nüsse sind in allen Abmaßen
und Schlüsselweiten erhältlich.
*In-out sockets are available in all sizes
and dimensions.*

Hydraulik-Aggregate

Hydraulic Power Packs

XB/XB-VAX



Typ/ type	Betriebs- art operation mode	Förder- stufen flow stages	Abmessungen L. x B. x H. (mm) dimensions l. x w. x h. (inch)	Gewicht (kg) weight (lb)	maximaler Betriebsdruck (bar) max. operating pressure (psi)	Antrieb drive	Antriebs- leistung (kW) nominal power (kW)	Förderleistung (l/min) flow rate (cu. in./min)
XB 1	manuell manual	1	441 x 245 x 353 17.4 x 9.6 x 13.9	19 42	800 11.600	elektrisch 230 V. 50 HZ, Wechselstrom* ¹ electrical 230 V. 50 HZ, alternate current* ¹	0.75	0.8 48.8
XB 2	manuell manual	1	495 x 307 x 411 17.4 x 12.1 x 16.2	29 64	800 11.600	elektrisch 230 V. 50 HZ, Wechselstrom* ¹ electrical 230 V. 50 HZ, alternate current* ¹	1.1	1.2 73.3
XB 2-Z	manuell manual	2	495 x 307 x 411 17.4 x 12.1 x 16.2	29 64	800 11.600	elektrisch 230 V. 50 HZ, Wechselstrom* ¹ electrical 230 V. 50 HZ, alternate current* ¹	1.1	8.0/1.2 488.2/73.3
XB 3.5	manuell manual	1	495 x 307 x 411 17.4 x 12.1 x 16.2	33 73	800 11.600	elektrisch 400 V. 50 HZ, Drehstrom electrical 400 V. 50 HZ, three phase current	2.2	3.5 213.6
XB 3.5-Z	manuell manual	2	495 x 307 x 411 17.4 x 12.1 x 16.2	33 73	800 11.600	elektrisch 400 V. 50 HZ, Drehstrom electrical 400 V. 50 HZ, three phase current	2.2	13.2/3.0 805.5/183
XB-VAX 2	vollauto- matisch fully auto- mated	1	495 x 307 x 411 17.4 x 12.1 x 16.2	29 64	800 11.600	elektrisch 230 V. 50 HZ, Wechselstrom* ¹ electrical 230 V. 50 HZ, alternate current* ¹	1.1	1.2 73.3
XB-VAX 3.5	vollauto- matisch fully auto- mated	1	495 x 307 x 411 17.4 x 12.1 x 16.2	33 73	800 11.600	elektrisch 400 V. 50 HZ, Drehstrom electrical 400 V. 50 HZ, three phase current	2.2	3.5 213.6

*¹ alternativ auch für folgende Spannungen erhältlich/
alternatively available for following voltages:

Wechselstrom/alternating current	Drehstrom/three phase current
100 V. 50 HZ, 100 V. 60 HZ,	200 V. 50 HZ, 200 V. 60 HZ,
110 V. 50 HZ, 110 V. 60 HZ,	400 V. 50 HZ, 400 V. 60 HZ,
220 V. 60 Hz	

Bei diesen Spannungen können die genannten Förderleistungen abweichen.
In these voltages. the listed flow rates can differ.

IQ-VX/IQ-VAX

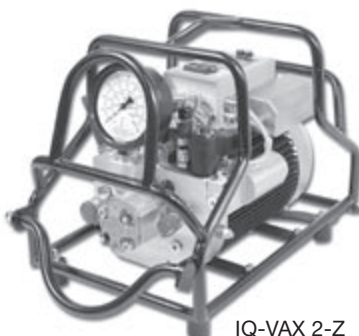
Typ/ type	Betriebs- art operation mode	Förder- stufen flow stages	Abmessungen L. x B. x H. (mm) dimensions l. x w. x h. (inch)	Gewicht (kg) weight (lb)	maximaler Betriebsdruck (bar) max. operating pressure (psi)	Antrieb drive	Antriebs- leistung (kW) nominal power (kW)	Förderleistung (l/min) flow rate (cu. in./min)
IQ-VX 1-Z	manuell	2	470 x 300 x 335	22	800	elektrisch 230 V. 50 HZ, Wechselstrom* ¹	0.75	5.3/0.75
	manual		18.5 x 11.8 x 13.1	48.5	11.600	electrical 230 V. 50 HZ, alternate current* ¹		323.5/45.8
IQ-VX 2-Z	manuell	2	490 x 315 x 370	29	800	elektrisch 230 V. 50 HZ, Wechselstrom* ¹	1.1	8.0/1.2
	manual		19.3 x 12.4 x 14.6	64	11.600	electrical 230 V. 50 HZ, alternate current* ¹		488.2/73.3
IQ-VX 3.5-Z	manuell	2	490 x 315 x 370	33	800	elektrisch 400 V. 50 HZ, Drehstrom	2.2	13.2/3.0
	manual		19.7 x 12.4 x 14.6	73	11.600	electrical 400 V. 50 HZ, three phase current		805.5/183.0
IQ-VAX 2	vollauto- matisch	1	490 x 315 x 370	29	800	elektrisch 230 V. 50 HZ, Wechselstrom* ¹	1.1	1.2
	fully auto- mated		19.3 x 12.4 x 14.6	64	11.600	electrical 230 V. 50 HZ, alternate current* ¹		73.3
IQ-VAX 3.5	vollauto- matisch	1	490 x 315 x 370	33	800	elektrisch 400 V. 50 HZ, Drehstrom	2.2	3.5
	fully auto- mated		19.3 x 12.4 x 14.6	73	11.600	electrical 400 V. 50 HZ, three phase current		213.6
IQ-VAX 1-Z	vollauto- matisch	2	470 x 300 x 335	22	800	elektrisch 230 V. 50 HZ, Wechselstrom* ¹	0.75	5.3/0.75
	fully auto- mated		18.5 x 11.8 x 13.1	48.5	11.600	electrical 230 V. 50 HZ, alternate current* ¹		323.5/45.8
IQ-VAX 2-Z	vollauto- matisch	2	490 x 315 x 370	29	800	elektrisch 230 V. 50 HZ, Wechselstrom* ¹	1.1	8.0/1.2
	fully auto- mated		19.3 x 12.4 x 14.6	64	11.600	electrical 230 V. 50 HZ, alternate current* ¹		488.2/73.3
IQ-VAX 3.5-Z	vollauto- matisch	2	490 x 315 x 370	33	800	elektrisch 400 V. 50 HZ, Drehstrom	2.2	13.2/3.0
	fully auto- mated		19.3 x 12.4 x 14.6	73	11.600	electrical 400 V. 50 HZ, three phase current		805.5/183.0
IQ-VAX 2-Z D 2100	vollauto- matisch	2	490 x 351 x 400	38.5	2100	elektrisch 230 V. 50 HZ, Wechselstrom* ¹	1.1	8.0/1.2 (800 bar)
	fully auto- mated		19.3 x 13.8 x 15.7	85	30.450	electrical 230 V. 50 HZ, alternate current* ¹		8.0/0.4 (2100 bar) 488.2/73.3 (11.600 psi) 488.2/24.5 (30.450 psi)
IQ-VAX 3.5-Z D 2100	vollauto- matisch	2	490 x 351 x 400	38.5	2100	elektrisch 400 V. 50 HZ, Drehstrom	2.2	13.2/3.0 (800 bar)
	fully auto- mated		19.3 x 13.8 x 15.7	85	30.450	electrical 400 V. 50 HZ, three phase current		13.2/1.0 (2100 bar) 805.5/183.0 (11.600 psi) 805.5/61.0 (30.450 psi)

*¹ alternativ auch für folgende Spannungen erhältlich/
alternatively available for following voltages:

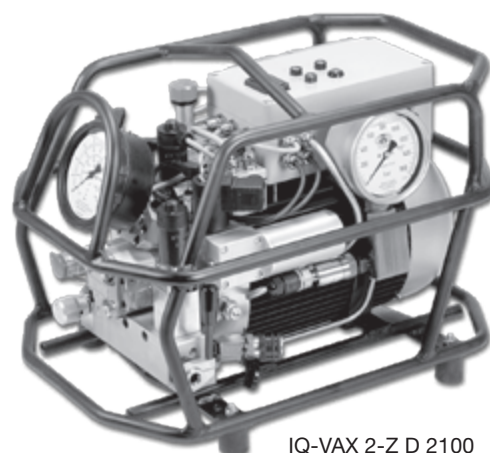
Wechselstrom/alternating current
100 V. 50 HZ, 100 V. 60 HZ,
110 V. 50 HZ, 110 V. 60 HZ,
220 V. 60 Hz

Drehstrom/three phase current
200 V. 50 HZ, 200 V. 60 HZ,
400 V. 50 HZ, 400 V. 60 HZ,

Bei diesen Spannungen können die
gennannten Förderleistungen abweichen.
In these voltages, the listed
flow rates can differ.

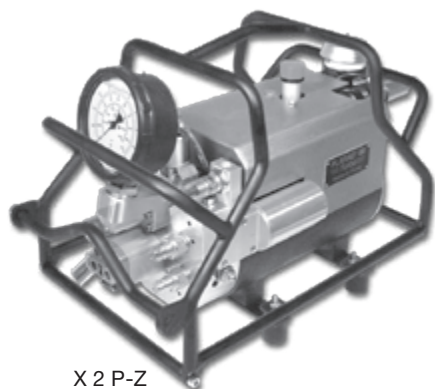


IQ-VAX 2-Z



IQ-VAX 2-Z D 2100

Pneumatische Hydraulikaggregate Pneumatic Power Packs



X 2 P-Z



IQ-VAX 2 P-Z

Typ/ type	Betriebs- art operation mode	Förder- stufen flow stages	Abmessungen L. x B. x H. (mm) dimensions l. x w. x h. (inch)	Gewicht (kg) weight (lb)	maximaler Betriebsdruck (bar) max. operating pressure (psi)	Antrieb drive	Förderleistung (l/min) flow rate (cu. in./min)
X 2 P-Z	manuell manual	2	640 x 235 x 385	31.5	800	pneumatisch. 4 - 7 bar. 40 - 65 l/s	7.0/1.6
			25.2 x 9.3 x 15.2	69	11.600	pneumatisch. 58 - 101.5 psi. 23.6 - 38.4 cfm	724.2/97.6
IQ-VAX 2 P-Z	vollauto- matisch fully auto- mated	2	500 x 330 x 420	36	800	pneumatisch. 4 - 7 bar. 40 - 65 l/s	7.0/1.6
			19.7 x 13 x 16.5	79.4	11.600	pneumatisch. 58 - 101.5 psi. 23.6 - 38.4 cfm	724.2/97.6

Alle Plarad-Aggregate sind aufrüstbar und erweiterbar, z.B. mit Zusatztanks beim Einsatz von bis zu 4 Schraubgeräten und mehr an einem Aggregat.

All Plarad power packs are upgradeable and extensible, for example with additional oil tank for drive of 4 or more tools by one pump.

Hochdruck-Hydraulikschläuche High pressure hydraulic hoses

NW 6, 800 bar, Kupplung & Nippel beidseitig, R 1/4, SW 22 mm
NW 6, 800 bar, coupling & nipple both sites, R 1/4, A/F 22 mm

Code Nr. Code no.	Länge m	Lenght inch
B20-000-1-00430	4	157.5
B20-000-1-00630	6	236.2
B20-000-1-00830	8	315.0
B20-000-1-01030	10	393.7

Twin, NW 6, 800 bar, Kupplung & Nippel beidseitig, R 1/4, SW 22 mm
Twin, NW 6. 800 bar, coupling & nipple both sites, R 1/4, A/F 22 mm

Code Nr. Code no.	Länge m	Lenght inch
B20-000-1-00431	4	157.5
B20-000-1-00631	6	236.2
B20-000-1-00831	8	315.0
B20-000-1-01031	10	393.7



Spannzyylinder / Tensioner



Mehrstufige Variante Multi Stage

**Für den Einsatz in beschränkten Platzverhältnissen (Durchmesser).
Der mehrstufige Hydraulikantrieb generiert höhere Spannkraft in
einem schmalen Durchmesser.**

**For use when there is an application radial restriction.
Multi hydraulic cells generate extra load in a small diameter.**

Bolzen/Bolt Ø		Max. Spannkraft/ Max. Load		Spannzyylinder/ Tensioner Ø		Spannzyylinder Höhe/ Tensioner Height		Spannzyylinder Hub/ Tensioner Stroke	
Imperial/ imperial	Metrisch/ metric	lbf	kN	in	mm	in	mm	in	mm
1 1/8	M30	103.86	462	2.76	70	8.11	206	0.31	8
1 1/4	M33	128.14	570	3.03	77	8.31	211	0.31	8
1 3/8	M36	151.74	675	3.19	81	8.50	216	0.31	8
1 1/2	M39	179.84	800	3.46	88	9.45	240	0.39	10
1 5/8	M42	208.61	928	3.74	95	10.35	263	0.39	10
1 3/4	M45	242.78	1080	4.09	104	10.63	270	0.39	10
1 7/8	M48	274.26	1220	4.29	109	11.02	280	0.39	10
2	M52	325.96	1450	4.53	115	11.10	282	0.39	10
2 1/4	M56	376.54	1675	4.76	121	11.22	285	0.39	10



Einstufige Variante Single Stage

**Für den Einsatz in beschränkten Platzverhältnissen (Höhe).
Das kompakte Design verleiht dem Spannzyylinder ein Minimum an
Bauhöhe.**

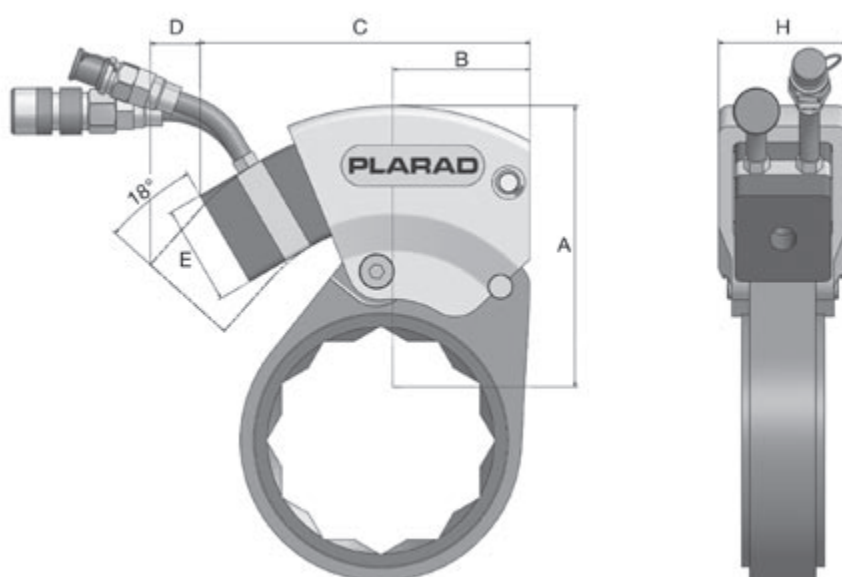
**For use when there is an application height restriction.
Compact design keeps height to a minimum.**

Bolzen/Bolt Ø		Max. Spannkraft/ Max. Load		Spannzyylinder/ Tensioner Ø		Spannzyylinder Höhe/ Tensioner Height		Spannzyylinder Hub/ Tensioner Stroke	
Imperial/ imperial	Metrisch/ metric	lbf	kN	in	mm	in	mm	in	mm
1	M24	65.19	290	3.27	83	3.86	98	0.31	8
1 1/8	M30	103.41	460	3.78	96	4.21	107	0.31	8
1 1/4	M33	128.14	570	4.21	107	4.53	115	0.31	8
1 3/8	M36	150.67	670	4.49	114	4.65	118	0.31	8
1 1/2	M39	179.84	800	4.96	126	4.88	124	0.39	10
1 5/8	M42	206.82	920	5.12	130	5.20	132	0.39	10
1 3/4	M45	242.78	1080	5.51	140	5.28	134	0.39	10
1 7/8	M48	274.26	1220	5.87	149	5.43	138	0.39	10
2	M52	325.96	1450	6.30	160	5.51	140	0.39	10
2 1/4	M56	376.54	1675	6.73	171	5.91	150	0.39	10

K-Gerät / K-series tool

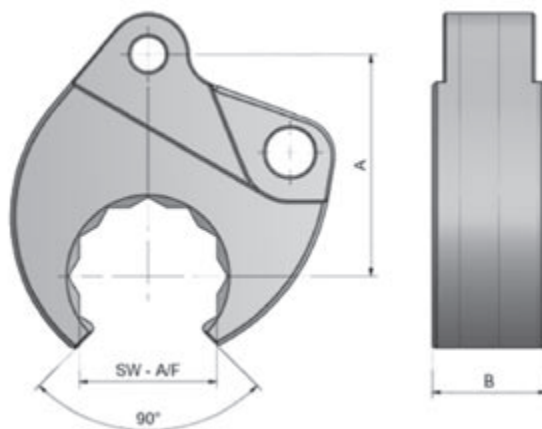


Typ <i>Type</i>	Schlüsselweiten mm <i>Width across flat inch</i>	Drehmomentbereich Nm <i>Torque range (ft lbs)</i>	A inch	B inch	C inch	D inch	E inch	H inch	Gewicht lbs <i>Weight lbs</i>
K 30 TF	24 - 95 (1.1/4 - 3.1/2)	300 - 3000 (221 - 2212)	5.02	2.91	6.42	0.83	1.77	2.48	10.6
K 60 TF	24 - 95 (1.1/4 - 3.1/2)	660 - 6600 (486 - 4867)	5.57	2.64	6.69	1.10	2.21	2.68	12.5
K 150 TF	27 - 110 (1.7/16 - 3.7/8)	1100 - 11000 (811 - 8113)	6.69	3.27	7.09	1.34	2.36	3.07	18.9
K 200 TF	60 - 135 (2.3/8 - 4.1/8)	2000 - 20000 (1327 - 1.276)	8.68	4.72	9.78	1.77	3.07	3.94	40.7
K 300 TF	80 - 150 (3.1/8 - 6)	3000 - 30000 (2212 - 22126)	10.73	5.83	11.63	2.34	3.70	4.72	66.0



Ringschlüssel offen / open ring spanner

Ringschlüssel offen Open ring spanner K 30 / K 60 Code Nr./Code no	SW/ AF mm	SW/ AF inch	A inch	B inch
F94-013-8-02406	24		2.95	0.79
F94-013-8-02706	27		2.95	0.79
F94-013-8-03006	30		2.95	0.79
F94-013-8-03206	32	1.1/4	2.95	0.79
F94-013-8-03606	36	1.7/16	2.95	0.98
F94-013-8-04106	41	1.5/8	2.95	0.98
F94-013-8-04606	46	1.13/16	2.95	0.98
F94-013-8-05006	50	2	2.95	1.18
F94-013-8-05506	55	2.3/16	2.95	1.18
F94-013-8-06006	60	2.3/8	2.95	1.38
F94-013-8-06506	65	2.9/162	2.95	1.58
F94-013-8-07006	70	2.3/4	2.95	1.58
F94-013-8-07506	75	2.15/16	3.94	1.77
F94-013-8-08006	80	3.1/8	3.94	1.77
F94-013-8-08506	85		3.94	1.97
F94-013-8-09006	90	3.1/2	3.94	1.97
F94-013-8-09506	95		3.94	1.97

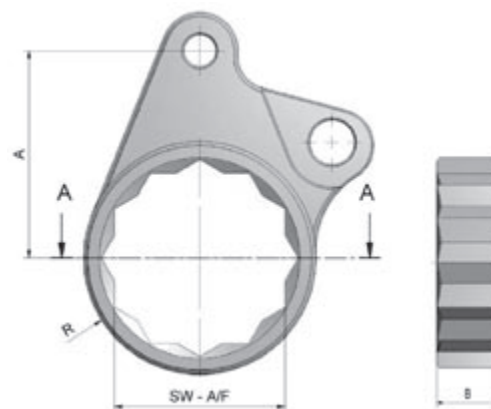


Ringschlüssel offen Open ring spanner K 150 Code Nr./Code no	SW/ AF mm	SW/ AF inch	A inch	B inch
F94-014-8-03201	32		3.82	0.79
F94-014-8-03601	36	1.7/16	3.82	0.98
F94-014-8-04101	41	1.5/8	3.82	0.98
F94-014-8-04601	46	1.13/16	3.82	0.98
F94-014-8-05001	50	2	3.82	1.18
F94-014-8-05501	55	2.3/16	3.82	1.18
F94-014-8-06001	60	2.3/8	3.82	1.38
F94-014-8-06501	65	2.9/16	3.82	1.58
F94-014-8-07001	70	2.3/4	3.82	1.58
F94-014-8-07501	75	2.15/16	3.82	1.77
F94-014-8-08001	80	3.1/8	3.82	1.77
F94-014-8-08501	85		3.82	1.77
F94-014-8-09001	90	3.1/2	4.02	1.77
F94-014-8-09501	95		4.17	1.97
F94-014-8-10001	100	3.7/8	4.33	1.97
F94-014-8-11001	110		4.65	2.17

Ringschlüssel offen Open ring spanner K 200 Code Nr./Code no	SW/ AF mm	SW/ AF inch	A inch	B inch
F94-015-8-06002	60	2.3/8	7.89	1.38
F94-015-8-06502	65	2.9/162	7.89	1.58
F94-015-8-07002	70	2.3/4	7.89	1.58
F94-015-8-07502	75	2.15/16	7.89	1.77
F94-015-8-08002	80	3.1/8	7.89	1.77
F94-015-8-08502	85		7.89	1.77
F94-015-8-09002	90	3.1/2	7.89	1.77
F94-015-8-09502	95		7.89	1.97
F94-015-8-10002	100	3.7/8	7.89	1.97
F94-015-8-10502	105	4.1/8	7.89	2.17
F94-015-8-11002	110		7.89	2.17
F94-015-8-11502	115		7.89	2.36
F94-015-8-12002	120		7.89	2.36
F94-015-8-12502	125		7.89	2.56
F94-015-8-13002	130		7.89	2.56
F94-015-8-13502	135		7.89	2.56

Ringschlüssel / ring spanner

Ringschlüssel/ Ring spanner K 30 / K 60	SW/ AF	R	A	B	Mt max
Code Nr./Code no	mm	inch	inch	inch	lbf ft
F94-013-8-02700	27	0.98	2.95	20	1.402.2
F94-013-8-03000	30	1.04	2.95	20	1.476.0
F94-013-8-03200	32	1.14	2.95	20	1.845.0
F94-013-8-03600	36	1.24	2.95	25	2.583.0
F94-013-8-04100	41	1.38	2.95	25	3.062.7
F94-013-8-04600	46	1.48	2.95	25	3.690.0
F94-013-8-05000	50	1.58	2.95	30	4.243.5
F94-013-8-05500	55	1.69	2.95	30	4.428.0
F94-013-8-06000	60	1.83	2.95	35	4.428.0
F94-013-8-06500	65	1.95	2.95	40	4.428.0
F94-013-8-07000	70	2.07	2.95	40	4.428.0
F94-013-8-07500	75	2.19	3.94	40	4.428.0
F94-013-8-08000	80	2.32	3.94	40	4.428.0
F94-013-8-08500	85	2.44	3.94	40	4.428.0
F94-013-8-09000	90	2.56	3.94	40	4.428.0
F94-013-8-09500	95	2.68	3.94	40	4.428.0



Ringschlüssel/ Ring spanner K 30 / K 60	SW/ AF	R	A	B	Mt max
Code Nr./Code no	mm	inch	inch	inch	lbf ft
F94-013-8-02900	1.1/8	1.06	2.95	0.79	1.697.4
F94-013-8-03201	1.1/4	1.14	2.95	0.79	1.845.0
F94-013-8-03800	1.1/2	1.30	2.95	0.98	2.804.4
F94-013-8-04800	1.7/8	1.54	2.95	1.18	4.243.5
F94-013-8-05600	2.3/16	1.71	2.95	1.18	4.428.0
F94-013-8-05700	2.1/4	1.13	2.95	1.18	4.428.0
F94-013-8-07001	2.3/4	1.38	2.95	1.58	4.428.0

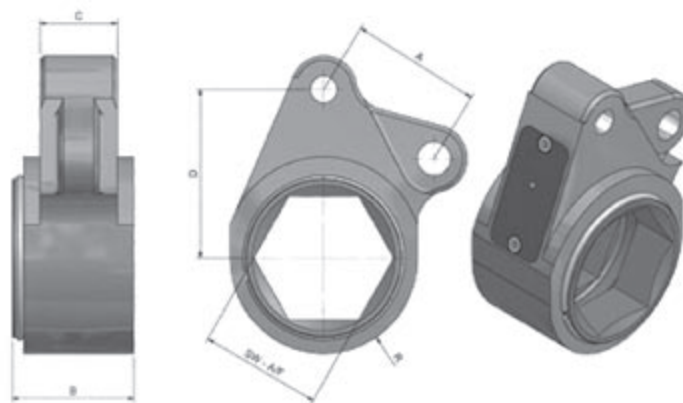
Ringschlüssel/ Ring spanner K 150	SW/ AF	R	A	B	Mt max
Code Nr./Code no	mm	inch	inch	inch	lbf ft
F94-014-8-03200	32	1.14	3.82	0.79	1.845.0
F94-014-8-03600	36	1.24	3.82	0.98	2.583.0
F94-014-8-04100	41	1.38	3.82	0.98	3.062.7
F94-014-8-04600	46	1.48	3.82	0.98	3.690.0
F94-014-8-05000	50	1.58	3.82	1.18	4.243.5
F94-014-8-05500	55	1.69	3.82	1.18	4.649.4
F94-014-8-06000	60	1.83	3.82	1.38	6.199.2
F94-014-8-06500	65	1.95	3.82	1.58	7.380.0
F94-014-8-07000	70	2.07	3.82	1.58	7.380.0
F94-014-8-07500	75	2.21	3.82	1.77	7.380.0
F94-014-8-08000	80	2.32	3.82	1.77	7.380.0
F94-014-8-08500	85	2.44	3.82	1.77	7.380.0
F94-014-8-09000	90	2.58	4.02	1.77	7.380.0
F94-014-8-09500	95	2.70	4.17	1.97	7.380.0
F94-014-8-10000	100	2.82	4.33	1.97	7.380.0
F94-014-8-11000	110	3.07	4.65	2.17	7.380.0

Ringschlüssel/ Ring spanner K 150	SW/ AF	R	A	B	Mt max
Code Nr./Code no	mm	inch	inch	inch	lbf ft
F94-014-8-03300	1.5/16	1.16	3.82	0.98	1.845.0
F94-014-8-03800	1.1/2	1.28	3.82	0.98	2.583.0
F94-014-8-04300	1.11/16	1.48	3.82	0.98	3.136.5
F94-014-8-04600	1.3/4	1.48	3.82	0.98	3.690.0
F94-014-8-05400	2.1/8	1.67	3.82	1.18	4.649.4
F94-014-8-05700	2.1/4	1.75	3.82	1.38	6.199.2
F94-014-8-06700	2.5/8	1.99	3.82	1.58	7.380.0
F94-014-8-07100	2.13/16	2.09	3.82	1.58	7.380.0
F94-014-8-07600	3	2.21	3.82	1.77	7.380.0
F94-014-8-08900	3.1/2	2.54	4.02	1.77	7.380.0
F94-014-8-09800	3.7/8	2.76	4.33	1.97	7.380.0
F94-014-8-10200	4	2.84	4.72	1.97	7.380.0
F94-014-8-10800	4.1/4	2.99	4.65	2.17	7.380.0

Ringschlüssel / ring spanner

Ringschlüssel/ Ring spanner K 200	SW/ AF	R	A	B	Mt max
Code Nr./Code no	mm	inch	inch	inch	lbf ft
F94-003-8-06000	60	2.03	7.89	1.38	9372.6
F94-003-8-06500	65	2.15	7.89	1.58	11512.8
F94-003-8-07000	70	2.28	7.89	1.58	12767.4
F94-003-8-07500	75	2.40	7.89	1.77	15350.4
F94-003-8-08000	80	2.52	7.89	1.77	16309.8
F94-003-8-08500	85	2.64	7.89	1.77	17269.2
F94-003-8-09000	90	2.78	7.89	1.77	18450.0
F94-003-8-09500	95	2.89	7.89	1.97	18450.0
F94-003-8-10000	100	3.02	7.89	1.97	18450.0
F94-003-8-10500	105	3.11	7.89	2.17	18450.0
F94-003-8-11000	110	3.28	7.89	2.17	18450.0
F94-003-8-11500	115	3.39	7.89	2.36	18450.0
F94-003-8-12000	120	3.50	7.89	2.36	18450.0
F94-003-8-12500	125	3.62	7.89	2.56	18450.0
F94-003-8-13000	130	3.76	7.89	2.56	18450.0
F94-003-8-13500	135	3.88	7.89	2.56	18450.0

Ringschlüssel/ Ring spanner K 200	SW/ AF	R	A	B	Mt max
Code Nr./Code no	inch	inch	inch	inch	lbf ft
F94-003-8-03200	1.1/4	1.39	7.89	0.79	3099.6
F94-003-8-03500	1.3/8	1.48	7.89	0.98	3690.0
F94-003-8-03801	1.1/2	1.50	7.89	0.98	4280.4
F94-003-8-04102	1.5/8	1.58	7.89	0.98	4797.0
F94-003-8-04500	1.3/4	1.65	7.89	0.98	5018.4
F94-003-8-04800	1.7/8	1.73	7.89	1.18	5904.0
F94-003-8-05100	2	1.81	7.89	1.18	6642.0
F94-003-8-05700	2.1/4	1.95	7.89	1.38	8487.0
F94-003-8-06400	2.1/2	2.11	7.89	1.58	10701.0
F94-003-8-06700	2.5/8	2.19	7.89	1.58	12177.0
F94-003-8-07600	3	2.44	7.89	1.77	15867.0
F94-003-8-08900	3.1/2	2.78	7.89	1.77	18450.0
F94-003-8-09502	3.3/4	2.89	7.89	1.97	18450.0
F94-003-8-10503	4.1/8	3.13	7.89	2.17	18450.0
F94-003-8-10800	4.1/4	3.23	7.89	2.17	18450.0
F94-003-8-11400	4.1/2	3.39	7.89	2.36	18450.0

**Ratschenkopf/
Ratchet head**


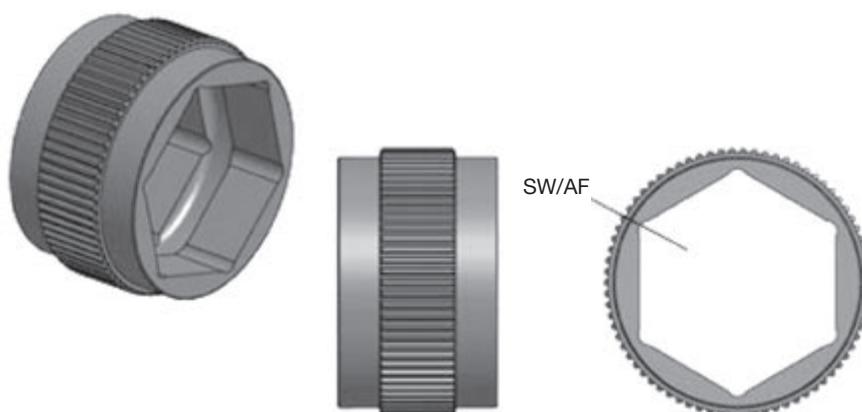
RKW K 30 / K 60	Code Nr./ Code no	max. SW/ max. AF mm	max. SW/ max. AF inch	R	A	B	C	D	Mt max
						inch			lbf ft
RKW 341	G07-003-0-00401	41	1.5/8	1.38	2.31	2.17	1.38	2.95	1845.0
RKW 355	G07-003-0-00501	55	2.3/16	1.67	2.31	2.17	1.38	2.95	3099.6
RKW 370	G07-003-0-00601	70	2.3/4	2.21	2.31	2.17	1.38	3.23	4870.8
RKW 385	G07-003-0-02301	85	3.1/4	2.68	2.31	2.17	1.38	3.78	4870.8

RKW K 150	Code Nr./ Code no	max. SW/ max. AF mm	max. SW/ max. AF inch	R	A	B	C	D	Mt max
						inch			lbf ft
RKW 1041	G07-011-0-00401	41	1.5/8	1.38	2.97	2.17	1.58	3.82	1845.0
RKW 1055	G07-011-0-00501	55	2.3/16	1.67	2.97	2.17	1.58	3.82	3099.6
RKW 1070	G07-011-0-00301	70	2.3/4	2.21	2.97	2.17	1.58	3.82	6236.1
RKW 1085	G07-011-0-00601	85	3.1/4	2.68	2.97	2.17	1.58	3.94	8118.0
RKW 1100	G07-011-0-00701	100	3.7/8	3.05	2.97	2.17	1.58	4.13	8118.0

Zwischengrößen auf Anfrage/ Intermediate sizes on request

RKW K 200	Code Nr./ Code no	max. SW/ max. AF mm	max. SW/ max. AF inch	R	A	B inch	C	D	Mt max lbf ft
RKW 18090	G07-018-0-01301	90	3	2.87	3.67	2.36	1.97	5.19	11070
RKW 18105	G07-018-0-01401	105	4	3.19	3.67	2.36	1.97	5.19	12546
RKW 18120	G07-018-0-01501	120	4.5/8	3.58	3.67	2.36	1.97	5.19	14760

Wechseleinsätze/ Changeable inserts



RKW 341	max. SW/ max. AF mm	Code Nr./ Code no
W 341 H 24 M	24	F07-010-3-25201
W 341 H 27 M	27	F07-010-3-50601
W 341 H 30 M	30	F07-010-3-25301
W 341 H 32 M	32	F07-010-3-03901
W 341 H 35 M	35	F07-010-3-43801
W 341 H 36 M	36	F07-010-3-00101
W 341 H 39 M	39	F07-010-3-51101
W 341 H 40 M	40	F07-011-3-16301
W 341 H 41 M	41	F07-010-3-00201
W 341 H 42 M	42	F07-010-3-19601

RKW 341	max. SW/ max. AF inch	Code Nr./ Code no
W 341 H 063	5/8	F07-010-3-56201
W 341 H 081	13/16	F07-010-3-35301
W 341 H 075	3/4	F07-010-3-35201
W 341 H 088	7/8	F07-010-3-35401
W 341 H 094	15/16	F07-010-3-35501
W 341 H 113	1.1/8	F07-010-3-48801
W 341 H 181	1.3/16	F07-010-3-43901
W 341 H 125	1.1/4	F07-010-3-23401
W 341 H 131	1.5/16	F07-010-3-00401
W 341 H 144	1.7/16	F07-010-3-00301
W 341 H 150	1.1/2	F07-010-3-23501
W 341 H 156	1.9/16	F07-010-3-29901
W 341 H 163	1.5/8	F07-010-3-30001

Wechseleinsätze/Changeable inserts

RKW 355	max. SW/ max. AF mm	Code Nr./ Code no
W 355 H 27 M	27	F07-010-3-41801
W 355 H 30 M	30	F07-010-3-24201
W 355 H 32 M	32	F07-010-3-15601
W 355 H 35 M	35	F07-011-3-13201
W 355 H 36 M	36	F07-010-3-15701
W 355 H 38 M	38	F07-010-3-57001
W 355 H 41 M	41	F07-010-3-15801
W 355 H 42 M	42	F07-011-3-16401
W 355 H 46 M	46	F07-010-3-00501
W 355 H 47 M	47	F07-010-3-47601
W 355 H 48 M	48	F07-010-3-59301
W 355 H 50 M	50	F07-010-3-01501
W 355 H 51 M	51	F07-010-3-11501
W 355 H 52 M	52	F07-010-3-58201
W 355 H 54 M	54	F07-010-3-33401
W 355 H 55 M	55	F07-010-3-00601
W 355 H 56 M	56	F07-010-3-50701

RKW 355	max. SW/ max. AF inch	Code Nr./ Code no
W 355 H 125	1.1/4	F07-010-3-52301
W 355 H 131	1.5/16	F07-010-3-41701
W 355 H 138	1.3/8	F07-011-3-18201
W 355 H 144	1.7/16	F07-010-3-52401
W 355 H 150	1.1/2	F07-010-3-53001
W 355 H 163	1.5/8	F07-010-3-52501
W 355 H 169	1.11/16	F07-010-3-00901
W 355 H 175	1.3/4	F07-010-3-30101
W 355 H 181	1.13/16	F07-010-3-28901
W 355 H 188	1.7/8	F07-010-3-30201
W 355 H 194	1.15/16	F07-010-3-30301
W 355 H 200	2	F07-010-3-28801
W 355 H 206	2.1/16	F07-010-3-01001
W 355 H 213	2.1/8	F07-010-3-19901
W 355 H 219	2.3/16	F07-010-3-00801
W 355 H 225	2.1/4	F07-010-3-20001

RKW 370	max. SW/ max. AF mm	Code Nr./ Code no
W 370 H 24 M	24	F07-010-3-58101
W 370 H 32 M	32	F07-010-3-58001
W 370 H 36 M	36	F07-010-3-48001
W 370 H 41 M	41	F07-010-3-43201
W 370 H 46 M	46	F07-010-3-43301
W 370 H 50 M	50	F07-010-3-43401
W 370 H 54 M	54	F07-010-3-49701
W 370 H 55 M	55	F07-010-3-43501
W 370 H 56 M	56	F07-010-3-48101
W 370 H 58 M	58	F07-010-3-46601
W 370 H 60 M	60	F07-010-3-25401
W 370 H 61 M	61	F07-010-3-58301
W 370 H 62 M	62	F07-010-3-50001
W 370 H 63 M	63	F07-010-3-48201
W 370 H 65 M	65	F07-010-3-25501
W 370 H 67 M	67	F07-010-3-26901
W 370 H 70 M	70	F07-010-3-25601

RKW 370	max. SW/ max. AF inch	Code Nr./ Code no
W 370 H 175	1.3/4	F07-010-3-48501
W 370 H 200	2	F07-010-3-48601
W 370 H 213	2.1/8	F07-010-3-48701
W 370 H 219	2.3/16	F07-010-3-56701
W 370 H 225	2.1/4	F07-010-3-44001
W 370 H 231	2.5/16	F07-010-3-44101
W 370 H 238	2.3/8	F07-010-3-44201
W 370 H 244	2.7/16	F07-010-3-58401
W 370 H 250	2.1/2	F07-010-3-44401
W 370 H 256	2.9/16	F07-010-3-44501
W 370 H 263	2.5/8	F07-010-3-44601
W 370 H 269	2.11/16	F07-010-3-56301
W 370 H 275	2.3/4	F07-010-3-44701

Wechseleinsätze/Changeable inserts

RKW 375	max. SW/ max. AF mm	Code Nr./ Code no
W 375 H 41 M	41	F07-006-3-18201
W 375 H 46 M	46	F07-006-3-18101
W 375 H 50 M	50	F07-006-3-23901
W 375 H 54 M	54	F07-006-3-21601
W 375 H 55 M	55	F07-006-3-18001
W 375 H 58 M	58	F07-006-3-17901
W 375 H 60 M	60	F07-006-3-12301
W 375 H 63 M	63	F07-006-3-17801
W 375 H 65 M	65	F07-006-3-12401
W 375 H 67 M	67	F07-006-3-17701
W 375 H 70 M	70	F07-006-3-12501
W 375 H 71 M	71	F07-006-3-17601
W 375 H 73 M	73	F07-006-3-57401
W 375 H 75 M	75	F07-006-3-12601

RKW 375	max. SW/ max. AF inch	Code Nr./ Code no
W 375 H 188	1.7/8	F07-006-3-22401
W 375 H 269	2.11/16	F07-010-3-45501

RKW 385	max. SW/ max. AF mm	Code Nr./ Code no
W 385 H 36 M	36	F07-010-3-56501
W 385 H 41 M	41	F07-010-3-56601
W 385 H 46 M	46	F07-010-3-53201
W 385 H 50 M	50	F07-011-3-50801
W 385 H 55 M	55	F07-010-3-42801
W 385 H 58 M	58	F07-010-3-50401
W 385 H 60 M	60	F07-011-3-06901
W 385 H 65 M	65	F07-010-3-47201
W 385 H 67 M	67	F07-010-3-50501
W 385 H 70 M	70	F07-010-3-42701
W 385 H 71 M	71	F07-011-3-08801
W 385 H 73 M	73	F07-010-3-57301
W 385 H 75 M	75	F07-010-3-25701
W 385 H 76 M	76	F07-010-3-58601
W 385 H 77 M	77	F07-011-3-07201
W 385 H 78 M	78	F07-010-3-50901
W 385 H 80 M	80	F07-010-3-25801
W 385 H 85 M	85	F07-010-3-25901

RKW 385	max. SW/ max. AF inch	Code Nr./ Code no
W 385 H 169	1.11/16	F07-011-3-05101
W 385 H 188	1.7/8	F07-011-3-05001
W 385 H 231	2.5/16	F07-010-3-44901
W 385 H 238	2.3/8	F07-010-3-57801
W 385 H 275	2.3/4	F07-010-3-58501
W 385 H 281	2.13/16	F07-010-3-57901
W 385 H 288	2.7/8	F07-010-3-44801
W 385 H 294	2.15/16	F07-010-3-52701
W 385 H 300	3	F07-010-3-45001
W 385 H 306	3.1/16	F07-010-3-51201
W 385 H 316	3.1/8	F07-010-3-45101
W 385 H 319	3.3/16	F07-010-3-45201
W 385 H 325	3.1/4	F07-010-3-45301
W 385 H 331	3.5/16	F07-010-3-45401
W 385 H 338	3.3/8	F07-010-3-45501

Wechseleinsätze/Changeable inserts

RKW 1041	max. SW/ max. AF mm	Code Nr./ Code no
W 1041 H 24 M	24	F07-010-3-25201
W 1041 H 27 M	27	F07-010-3-50601
W 1041 H 30 M	30	F07-010-3-25301
W 1041 H 32 M	32	F07-010-3-03901
W 1041 H 35 M	35	F07-010-3-43801
W 1041 H 36 M	36	F07-010-3-00101
W 1041 H 39 M	39	F07-010-3-51101
W 1041 H 40 M	40	F07-011-3-16301
W 1041 H 41 M	41	F07-010-3-00201
W 1041 H 42 M	42	F07-010-3-19601

RKW 1041	max. SW/ max. AF inch	Code Nr./ Code no
W 1041 H 063	5/8	F07-010-3-56201
W 1041 H 081	13/16	F07-010-3-35301
W 1041 H 075	3/4	F07-010-3-35201
W 1041 H 088	7/8	F07-010-3-35401
W 1041 H 094	15/16	F07-010-3-35501
W 1041 H 113	1.1/8	F07-010-3-48801
W 1041 H 181	1.3/16	F07-010-3-43901
W 1041 H 125	1.1/4	F07-010-3-23401
W 1041 H 131	1.5/16	F07-010-3-00401
W 1041 H 144	1.7/16	F07-010-3-00301
W 1041 H 150	1.1/2	F07-010-3-23501
W 1041 H 156	1.9/16	F07-010-3-29901
W 1041 H 163	1.5/8	F07-010-3-30001

RKW 1055	max. SW/ max. AF mm	Code Nr./ Code no
W 1055 H 27 M	27	F07-010-3-41801
W 1055 H 30 M	30	F07-010-3-24201
W 1055 H 32 M	32	F07-010-3-15601
W 1055 H 35 M	35	F07-011-3-13201
W 1055 H 36 M	36	F07-010-3-15701
W 1055 H 38 M	38	F07-010-3-57001
W 1055 H 41 M	41	F07-010-3-15801
W 1055 H 42 M	42	F07-011-3-16401
W 1055 H 46 M	46	F07-010-3-00501
W 1055 H 47 M	47	F07-010-3-47601
W 1055 H 48 M	48	F07-010-3-59301
W 1055 H 50 M	50	F07-010-3-01501
W 1055 H 51 M	51	F07-010-3-11501
W 1055 H 52 M	52	F07-010-3-58201
W 1055 H 54 M	54	F07-010-3-33401
W 1055 H 55 M	55	F07-010-3-00601
W 1055 H 56 M	56	F07-010-3-50701

RKW 1055	max. SW/ max. AF inch	Code Nr./ Code no
W 1055 H 125	1.1/4	F07-010-3-52301
W 1055 H 131	1.5/16	F07-010-3-41701
W 1055 H 138	1.3/8	F07-011-3-18201
W 1055 H 144	1.7/16	F07-010-3-52401
W 1055 H 150	1.1/2	F07-010-3-53001
W 1055 H 163	1.5/8	F07-010-3-52501
W 1055 H 169	1.11/16	F07-010-3-00901
W 1055 H 175	1.3/4	F07-010-3-30101
W 1055 H 181	1.13/16	F07-010-3-28901
W 1055 H 188	1.7/8	F07-010-3-30201
W 1055 H 194	1.15/16	F07-010-3-30301
W 1055 H 200	2	F07-010-3-28801
W 1055 H 206	2.1/16	F07-010-3-01001
W 1055 H 213	2.1/8	F07-010-3-19901
W 1055 H 219	2.3/16	F07-010-3-00801
W 1055 H 225	2.1/4	F07-010-3-20001

Wechseleinsätze/Changeable inserts

RKW 1070	max. SW/ max. AF mm	Code Nr./ Code no
W 1070 H 24 M	24	F07-010-3-58101
W 1070 H 32 M	32	F07-010-3-58001
W 1070 H 36 M	36	F07-010-3-48001
W 1070 H 41 M	41	F07-010-3-43201
W 1070 H 46 M	46	F07-010-3-43301
W 1070 H 50 M	50	F07-010-3-43401
W 1070 H 54 M	54	F07-010-3-49701
W 1070 H 55 M	55	F07-010-3-43501
W 1070 H 56 M	56	F07-010-3-48101
W 1070 H 58 M	58	F07-010-3-46601
W 1070 H 60 M	60	F07-010-3-25401
W 1070 H 61 M	61	F07-010-3-58301
W 1070 H 62 M	62	F07-010-3-50001
W 1070 H 63 M	63	F07-010-3-48201
W 1070 H 65 M	65	F07-010-3-25501
W 1070 H 67 M	67	F07-010-3-26901
W 1070 H 70 M	70	F07-010-3-25601

RKW 1070	max. SW/ max. AF inch	Code Nr./ Code no
W 1070 H 175	1.3/4	F07-010-3-48501
W 1070 H 200	2	F07-010-3-48601
W 1070 H 213	2.1/8	F07-010-3-48701
W 1070 H 219	2.3/16	F07-010-3-56701
W 1070 H 225	2.1/4	F07-010-3-44001
W 1070 H 231	2.5/16	F07-010-3-44101
W 1070 H 238	2.3/8	F07-010-3-44201
W 1070 H 244	2.7/16	F07-010-3-58401
W 1070 H 250	2.1/2	F07-010-3-44401
W 1070 H 256	2.9/16	F07-010-3-44501
W 1070 H 263	2.5/8	F07-010-3-44601
W 1070 H 269	2.11/16	F07-010-3-56301
W 1070 H 275	2.3/4	F07-010-3-44701

RKW 1075	max. SW/ max. AF mm	Code Nr./ Code no
W 1075 H 41 M	41	F07-006-3-18201
W 1075 H 46 M	46	F07-006-3-18101
W 1075 H 50 M	50	F07-006-3-23901
W 1075 H 54 M	54	F07-006-3-21601
W 1075 H 55 M	55	F07-006-3-18001
W 1075 H 58 M	58	F07-006-3-17901
W 1075 H 60 M	60	F07-006-3-12301
W 1075 H 63 M	63	F07-006-3-17801
W 1075 H 65 M	65	F07-006-3-12401
W 1075 H 67 M	67	F07-006-3-17701
W 1075 H 70 M	70	F07-006-3-12501
W 1075 H 71 M	71	F07-006-3-17601
W 1075 H 73 M	73	F07-006-3-57401
W 1075 H 75 M	75	F07-006-3-12601

RKW 1075	max. SW/ max. AF inch	Code Nr./ Code no
W 1075 H 188	1.7/8	F07-006-3-22401
W 1075 H 269	2.11/16	F07-006-3-19301

Wechseleinsätze/Changeable inserts

RKW 1085	max. SW/ max. AF mm	Code Nr./ Code no
W 1085 H 36 M	36	F07-010-3-56501
W 1085 H 41 M	41	F07-010-3-56601
W 1085 H 46 M	46	F07-010-3-53201
W 1085 H 50 M	50	F07-011-3-50801
W 1085 H 55 M	55	F07-010-3-42801
W 1085 H 58 M	58	F07-010-3-50401
W 1085 H 60 M	60	F07-011-3-06901
W 1085 H 65 M	65	F07-010-3-47201
W 1085 H 67 M	67	F07-010-3-50501
W 1085 H 70 M	70	F07-010-3-42701
W 1085 H 71 M	71	F07-011-3-08801
W 1085 H 73 M	73	F07-010-3-57301
W 1085 H 75 M	75	F07-010-3-25701
W 1085 H 76 M	76	F07-010-3-58601
W 1085 H 77 M	77	F07-011-3-07201
W 1085 H 78 M	78	F07-010-3-50901
W 1085 H 80 M	80	F07-010-3-25801
W 1085 H 85 M	85	F07-010-3-25901

RKW 1085	max. SW/ max. AF inch	Code Nr./ Code no
W 1085 H 169	1.11/16	F07-011-3-05101
W 1085 H 188	1.7/8	F07-011-3-05001
W 1085 H 231	2.5/16	F07-010-3-44901
W 1085 H 238	2.3/8	F07-010-3-57801
W 1085 H 275	2.3/4	F07-010-3-58501
W 1085 H 281	2.13/16	F07-010-3-57901
W 1085 H 288	2.7/8	F07-010-3-44801
W 1085 H 294	2.15/16	F07-010-3-52701
W 1085 H 300	3	F07-010-3-45001
W 1085 H 306	3.1/16	F07-010-3-51201
W 1085 H 316	3.1/8	F07-010-3-45101
W 1085 H 319	3.3/16	F07-010-3-45201
W 1085 H 325	3.1/4	F07-010-3-45301
W 1085 H 331	3.5/16	F07-010-3-45401
W 1085 H 338	3.3/8	F07-010-3-45501

RKW 1095	max. SW/ max. AF mm	Code Nr./ Code no
W 1095 H 60 M	60	F07-010-3-24601
W 1095 H 65 M	65	F07-010-3-22401
W 1095 H 70 M	70	F07-010-3-22501
W 1095 H 71 M	71	F07-010-3-59401
W 1095 H 75 M	75	F07-010-3-22001
W 1095 H 77 M	77	F07-010-3-15901
W 1095 H 80 M	80	F07-010-3-22101
W 1095 H 85 M	85	F07-010-3-10101
W 1095 H 88 M	88	F07-010-3-16001
W 1095 H 90 M	90	F07-010-3-02201
W 1095 H 95 M	95	F07-010-3-02301

RKW 1095	max. SW/ max. AF inch	Code Nr./ Code no
W 1095 H 313	3.1/8	F07-011-3-14701
W 1095 H 338	3.3/8	F07-010-3-31101
W 1095 H 344	3.7/16	F07-010-3-24301
W 1095 H 350	3.1/2	F07-010-3-31201
W 1095 H 356	3.9/16	F07-010-3-31301
W 1095 H 375	3.3/4	F07-010-3-31401

Wechseleinsätze/Changeable inserts

RKW 1100	max. SW/ max. AF mm	Code Nr./ Code no
W 1100 H 55 M	55	F07-010-3-47901
W 1100 H 60 M	60	F07-010-3-52801
W 1100 H 65 M	65	F07-010-3-51701
W 1100 H 70 M	70	F07-010-3-52901
W 1100 H 75 M	75	F07-010-3-43601
W 1100 H 80 M	80	F07-010-3-11601
W 1100 H 85 M	85	F07-010-3-43701
W 1100 H 90 M	90	F07-010-3-27301
W 1100 H 95 M	95	F07-010-3-32001
W 1100 H 98 M	98	F07-010-3-51001
W 1100 H 100 M	100	F07-010-3-11701

RKW 1100	max. SW/ max. AF inch	Code Nr./ Code no
W 1100 H 294	2.15/16	F07-010-3-57501
W 1100 H 313	3.1/8	F07-010-3-57601
W 1100 H 338	3.3/8	F07-010-3-51301
W 1100 H 344	3.7/16	F07-010-3-45601
W 1100 H 350	3.1/2	F07-010-3-45701
W 1100 H 356	3.9/16	F07-010-3-45801
W 1100 H 363	3.5/8	F07-010-3-45901
W 1100 H 369	3.11/16	F07-010-3-51401
W 1100 H 375	3.3/4	F07-010-3-46001
W 1100 H 381	3.13/16	F07-010-3-27401
W 1100 H 388	3.7/8	F07-010-3-51501
W 1100 H 394	3.15/16	F07-010-3-51601

RKW 18090	max. SW/ max. AF mm	Code Nr./ Code no
W 18090 H 75 M	75	F07-018-3-05601
W 18090 H 80 M	80	F07-018-3-05701
W 18090 H 85 M	85	F07-018-3-05801
W 18090 H 90 M	90	F07-018-3-05301

RKW 18090	max. SW/ max. AF inch	Code Nr./ Code no
W 18090 H 200	2	F07-018-3-09501
W 18090 H 238	2.3/8	F07-018-3-09901
W 18090 H 256	2.9/16	F07-018-3-09701
W 18090 H 275	2.3/4	F07-018-3-08901
W 18090 H 281	2.13/16	F07-018-3-09601
W 18090 H 294	2.15/16	F07-018-3-10901
W 18090 H 300	3	F07-018-3-22201
W 18090 H 313	3.1/8	F07-018-3-08301
W 18090 H 331	3.5/16	F07-018-3-08401
W 18090 H 338	3.3/8	F07-018-3-09001
W 18090 H 350	3.1/2	F07-018-3-08201

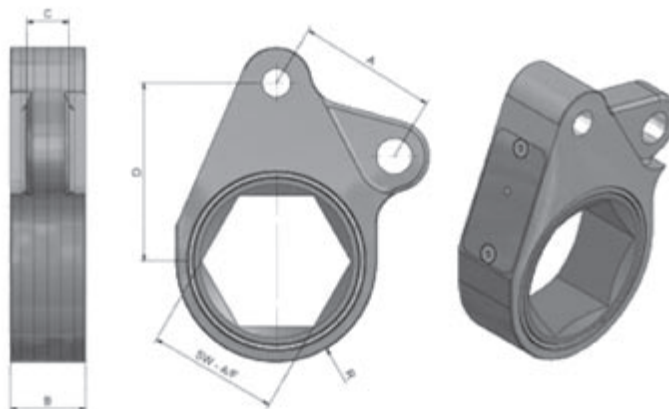
Wechseleinsätze/Changeable inserts

RKW 18105	max. SW/ max. AF mm	Code Nr./ Code no
W 18105 H 60 M	60	F07-018-3-07401
W 18105 H 65 M	65	F07-018-3-06901
W 18105 H 70 M	70	F07-018-3-07501
W 18105 H 75 M	75	F07-018-3-06801
W 18105 H 80 M	80	F07-018-3-07601
W 18105 H 85 M	85	F07-018-3-06701
W 18105 H 90 M	90	F07-018-3-04001
W 18105 H 95 M	95	F07-018-3-04101
W 18105 H 100 M	100	F07-018-3-04201
W 18105 H 105 M	105	F07-018-3-04301

RKW 18105	max. SW/ max. AF inch	Code Nr./ Code no
W 18105 H 350	3.1/2	F07-018-3-21101
W 18105 H 388	3.7/8	F07-018-3-09401
W 18108 H 413	4.1/8	F07-018-3-20601

RKW 18120	max. SW/ max. AF mm	Code Nr./ Code no
W 18120 H 75 M	75	F07-018-3-21301
W 18120 H 80 M	80	F07-018-3-21901
W 18120 H 85 M	85	F07-018-3-21401
W 18120 H 95 M	95	F07-018-3-20401
W 18120 H 100 M	100	F07-018-3-17701
W 18120 H 105 M	105	F07-018-3-08501
W 18120 H 110 M	110	F07-018-3-14401
W 18120 H 115 M	115	F07-018-3-14801
W 18120 H 117 M	117	F07-018-3-21201
W 18120 H 120 M	120	F07-018-3-14701

RKW 18120	max. SW/ max. AF inch	Code Nr./ Code no
W 18120 H 369	3.11/16	F07-018-3-07801
W 18120 H 375	3.3/4	F07-018-3-08601
W 18120 H 388	3.7/8	F07-018-3-07901
W 18120 H 400	4	F07-018-3-11001
W 18120 H 406	4.1/16	F07-018-3-11101
W 18120 H 413	4.1/8	F07-018-3-08701
W 18120 H 419	4.3/16	F07-018-3-11301
W 18120 H 425	4.1/4	F07-018-3-08001
W 18120 H 431	4.5/16	F07-018-3-11201
W 18120 H 438	4.3/8	F07-018-3-11401
W 18120 H 444	4.7/16	F07-018-3-11501
W 18120 H 450	4.1/2	F07-018-3-08801
W 18120 H 456	4.9/16	F07-018-3-11601
W 18120 H 463	4.5/8	F07-018-3-08101
W 18120 H 469	4.11/16	F07-018-3-11701
W 18120 H 475	4.3/4	F07-018-3-11801

**Ratschenkopf/
Ratchet head**


RKF K 30 / K60	Code Nr./ Code no	max. SW/ max. AF mm	R	A	B	C	D	Mt max lbf ft
RKF 324	G07-003-0-02201	24	0.83	2.31	1.26	0.71	2.95	664.2
RKF 327	G07-003-0-02101	27	0.9	2.31	1.26	0.71	2.95	738.0
RKF 332	G07-003-0-02001	32	1.02	2.31	1.26	0.71	2.95	885.6
RKF 336	G07-003-0-01901	36	1.18	2.31	1.26	0.71	2.95	1180.8
RKF 341	G07-003-0-01801	41	1.30	2.31	1.26	0.71	2.95	1402.2
RKF 346	G07-003-0-01701	46	1.41	2.31	1.26	0.71	2.95	1623.6
RKF 350	G07-003-0-01601	50	1.54	2.31	1.26	0.71	2.95	1697.4
RKF 355	G07-003-0-01501	55	1.65	2.31	1.26	0.71	2.95	1845.0
RKF 360	G07-003-0-01401	60	1.81	2.31	1.26	0.71	2.95	2398.5
RKF 365	G07-003-0-01301	65	1.93	2.31	1.26	0.71	2.95	2952.0
RKF 370	G07-003-0-01201	70	2.09	2.31	1.26	0.71	3.15	3690.0
RKF 375	G07-003-0-01101	75	2.21	2.31	1.26	0.71	3.50	4428.0
RKF 380	G07-003-0-01001	80	2.40	2.31	1.26	0.71	3.50	4870.8
RKF 385	G07-003-0-00901	85	2.56	2.31	1.26	0.71	3.70	4870.8
RKF 390	G07-003-0-00801	90	2.68	2.31	1.26	0.71	3.70	4870.8
RKF 395	G07-003-0-00701	95	2.80	2.31	1.26	0.71	3.90	4870.8

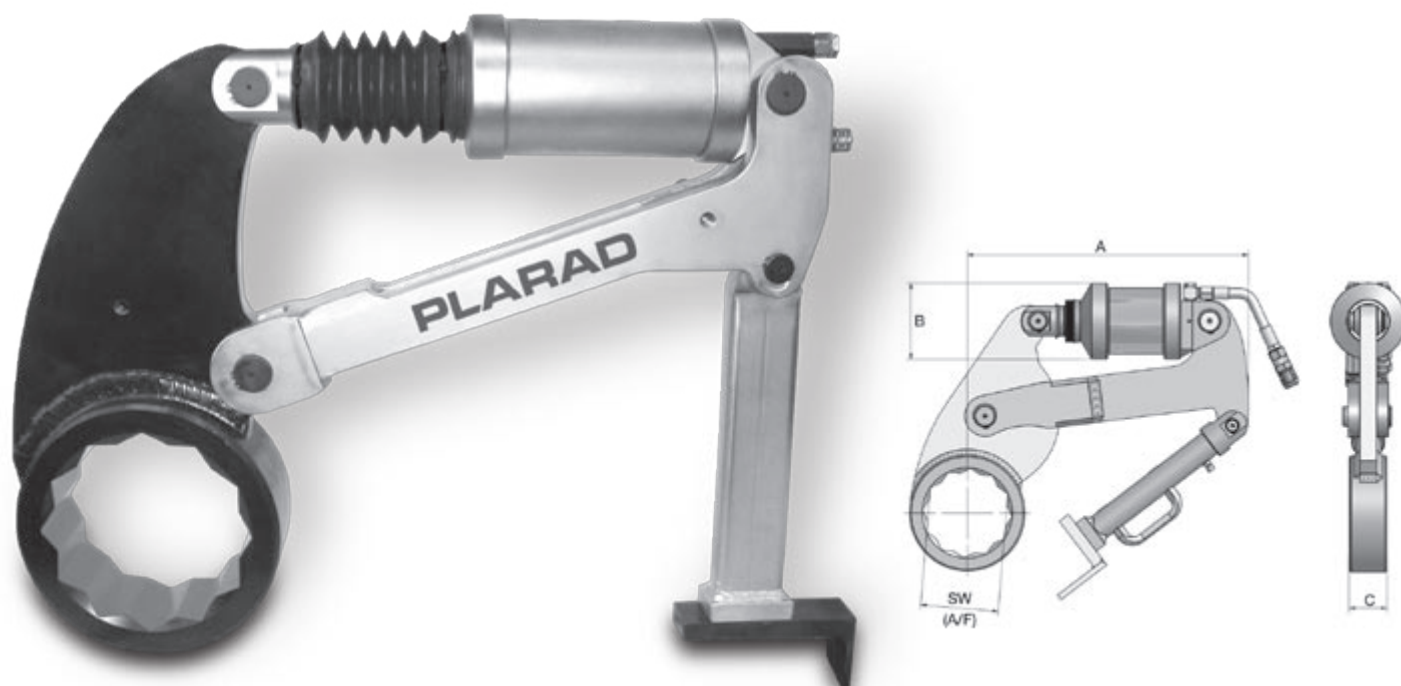
RKF K 30 / K60	Code Nr./ Code no	max. SW/ max. AF inch	R	A	B	C	D	Mt max lbf ft
RKF 324	G07-003-0-02220	1.5/16	0.83	2.31	1.26	0.71	2.95	664.2
RKF 327	G07-003-0-02120	1.1/16	0.9	2.31	1.26	0.71	2.95	738.0
RKF 332	G07-003-0-02020	1.1/4	1.02	2.31	1.26	0.71	2.95	885.6
RKF 336	G07-003-0-01920	1.7/16	1.18	2.31	1.26	0.71	2.95	1180.8
RKF 341	G07-003-0-01820	1.5/8	1.30	2.31	1.26	0.71	2.95	1402.2
RKF 346	G07-003-0-01720	1.13/16	1.41	2.31	1.26	0.71	2.95	1623.6
RKF 350	G07-003-0-01620	2	1.54	2.31	1.26	0.71	2.95	1697.4
RKF 355	G07-003-0-01520	2.3/16	1.65	2.31	1.26	0.71	2.95	1845.0
RKF 360	G07-003-0-01420	2.3/8	1.81	2.31	1.26	0.71	2.95	2398.5
RKF 365	G07-003-0-01320	2.9/16	1.93	2.31	1.26	0.71	2.95	2952.0
RKF 370	G07-003-0-01220	2.3/4	2.09	2.31	1.26	0.71	3.15	3690.0
RKF 375	G07-003-0-01120	2.15/16	2.21	2.31	1.26	0.71	3.50	4428.0
RKF 380	G07-003-0-01020	3.1/8	2.40	2.31	1.26	0.71	3.50	4870.8
RKF 385	G07-003-0-00920	3.3/8	2.56	2.31	1.26	0.71	3.70	4870.8
RKF 390	G07-003-0-00820	3.1/2	2.68	2.31	1.26	0.71	3.70	4870.8
RKF 395	G07-003-0-00720	3.3/4	2.80	2.31	1.26	0.71	3.90	4870.8

Ratschenkopf/ Ratchet head

RKF K 150	Code Nr./ Code no	max. SW/ max. AF	R	A	B	C	D	Mt max
		mm						lbf ft
RKF 1036	G07-010-0-04220	36	1.18	2.97	1.26	0.87	3.82	1180.8
RKF 1041	G07-010-0-04120	41	1.30	2.97	1.26	0.87	3.82	1402.2
RKF 1046	G07-010-0-04020	46	1.42	2.97	1.26	0.87	3.82	1623.6
RKF 1050	G07-010-0-03920	50	1.54	2.97	1.26	0.87	3.82	1697.4
RKF 1055	G07-010-0-03820	55	1.65	2.97	1.26	0.87	3.82	1845.0
RKF 1060	G07-010-0-03720	60	1.81	2.97	1.26	0.87	3.82	2398.5
RKF 1065	G07-010-0-03620	65	1.93	2.97	1.26	0.87	3.82	2952.0
RKF 1070	G07-010-0-03520	70	2.09	2.97	1.26	0.87	3.82	3690.0
RKF 1075	G07-010-0-03420	75	2.21	2.97	1.26	0.87	3.82	4428.0
RKF 1080	G07-010-0-03320	80	2.40	2.97	1.26	0.87	3.82	5719.5
RKF 1085	G07-010-0-03320	85	2.56	2.97	1.26	0.87	4.02	6642.0
RKF 1090	G07-010-0-03320	90	2.68	2.97	1.26	0.87	4.02	7011.0
RKF 1095	G07-010-0-03320	95	2.80	2.97	1.26	0.87	4.02	7380.0
RKF 1100	G07-010-0-03320	100	2.95	2.97	1.26	0.87	4.41	8118.0

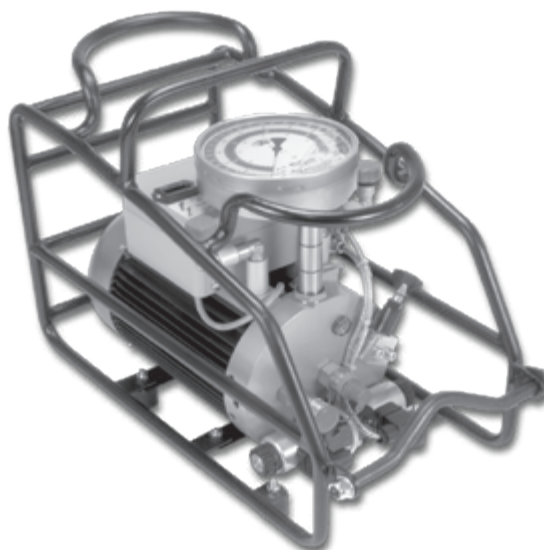
RKF K 150	Code Nr./ Code no	max. SW/ max. AF	R	A	B	C	D	Mt max
		inch						lbf ft
RKF 1036	G07-010-0-04220	1.7/16	1.18	2.97	1.26	0.87	3.82	1180.8
RKF 1041	G07-010-0-04120	1.5/8	1.30	2.97	1.26	0.87	3.82	1402.2
RKF 1046	G07-010-0-04020	1.13/16	1.42	2.97	1.26	0.87	3.82	1623.6
RKF 1050	G07-010-0-03920	2	1.54	2.97	1.26	0.87	3.82	1697.4
RKF 1055	G07-010-0-03820	2.3/16	1.65	2.97	1.26	0.87	3.82	1845.0
RKF 1060	G07-010-0-03720	2.3/8	1.81	2.97	1.26	0.87	3.82	2398.5
RKF 1065	G07-010-0-03620	2.9/16	1.93	2.97	1.26	0.87	3.82	2952.0
RKF 1070	G07-010-0-03520	2.3/4	2.09	2.97	1.26	0.87	3.82	3690.0
RKF 1075	G07-010-0-03420	2.15/16	2.21	2.97	1.26	0.87	3.82	4428.0
RKF 1080	G07-010-0-03320	3.1/8	2.40	2.97	1.26	0.87	3.82	5719.5
RKF 1085	G07-010-0-03320	3.3/8	2.56	2.97	1.26	0.87	4.02	6642.0
RKF 1090	G07-010-0-03320	3.1/2	2.68	2.97	1.26	0.87	4.02	7011.0
RKF 1095	G07-010-0-03320	3.3/4	2.80	2.97	1.26	0.87	4.02	7380.0
RKF 1100	G07-010-0-03320	3.7/8	2.95	2.97	1.26	0.87	4.41	8118.0

HPR



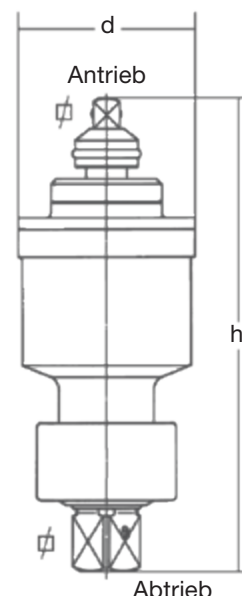
Antriebs- einheit/ Drive units	Drehmoment- bereich/ Torque range	SW max.	A/F max.	A	B	C	Gewicht lbs/Weight
RE 500	3690 - 36900 lbf ft	185 mm	7 1/4	21.65 in	5.20 in	21.65 in	74.8 lbs
RE 1000	7380 - 73800 lbf ft	230 mm	9 1/8	23.62 in	7.09 in	23.62 in	99.0 lbs
RE 1500	11070 - 110700 lbf ft	320 mm	12	32.48 in	12.60 in	22.05 in	167.2 lbs

CTK 3.5 EFS



Antrieb/ drive	Betriebsart/ mode of operation	Fördervolumen/ flow rate	Druck/ pressure	Gewicht Weight
elektrisch electrical	manuell manual	3.5 l/min konstant 213.6 cu. in./min constant	bis zu 350 bar up to 5075 psi	30 kg 66 lbs

XVR/XVK



Kraftvervielfältiger *Multiplier*

Typ/ Type	Code Nr./ Code no	Höhe/ height h	Durchmesser/ Diameter d	Leistungs- bereich/ Performance Range	Antrieb/ Input ■	Abtrieb/ Output ■	Übersetzungs- verhältnis/ gear ratio
XVK 15	G01-017-0-00203	172 mm 6.77 inch	81 mm 3.19 inch	220 - 1700 Nm 162 - 1254 lbf ft	¾	1	1:4.5

Kraftvervielfältiger mit Rückdrehsicherung *Multiplier with reverse stop mechanism*

Typ/ Type	Code Nr./ Code no	Höhe/ height h	Durchmesser/ Diameter d	Leistungs- bereich/ Performance Range	Antrieb/ Input ■	Abtrieb/ Output ■	Übersetzungs- verhältnis/ gear ratio
XVR 25	G01-023-0-00102	302 mm 11.89 inch	81 mm 3.19 inch	440 - 2300 Nm 325 - 1696 lbf ft	¾	1	1:12
XVR 35	G01-036-0-00103	273 mm 10.75 inch	81 mm 3.19 inch	510 - 3600 Nm 376 - 2655 lbf ft	¾	1	1:15
XVR 40	G01-040-0-00102	238 mm 9.37 inch	95 mm 3.74 inch	560 - 4000 Nm 413 - 2950 lbf ft	¾	1 ½	1:15
XVR 65	G01-062-0-00103	244 mm 9.60 inch	114 mm 4.49 inch	820 - 6200 Nm 605 - 4573 lbf ft	¾	1 ½	1:21
XVR 70	G01-068-0-00102	302 mm 11.89 inch	128 mm 5.04 inch	980 - 6800 Nm 723 - 5018 lbf ft	¾	1 ½	1:22
XVR 90	G01-086-0-00102	300 mm 11.81 inch	172 mm 6.77 inch	1780 - 8600 Nm 1313 - 6343 lbf ft	¾	1 ½	1:40
XVR D45	G01-101-0-00102	310 mm 12.2 inch	128 mm 5.04 inch	1000 - 10100 Nm 738 - 7453 lbf ft	¾	1 ½	1:22 (2 Stufen) 1:45 (2 stages)

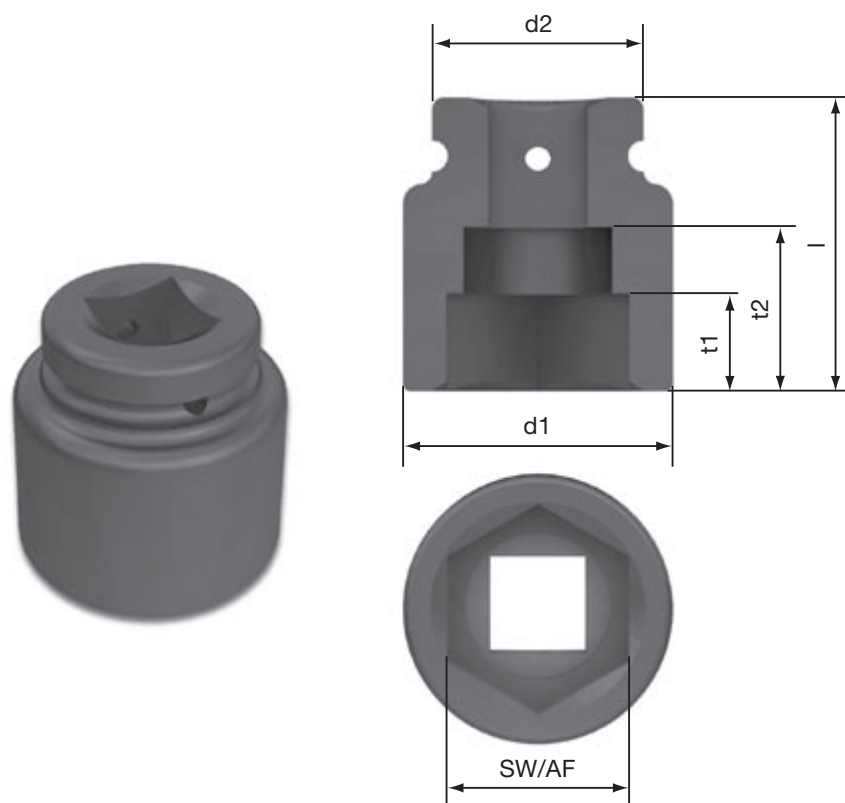
Kompatible Drehmomentschlüssel



PH 36 Z (60 - 360 Nm)
PH 50 Z (200 - 500 Nm)
PH 76 Z (300 - 800 Nm)

Norm-Sechskant-Nüsse

Standard hexagonal sockets



Norm-Sechskant-Nüsse mit $\frac{3}{4}$ " Antriebsvierkant

Standard hexagonal sockets with $\frac{3}{4}$ " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-019-9-02200	22	1.38	1.73	1.97	0.47	0.95	0.84
F97-019-9-02400	24	1.54	1.73	1.97	0.55	0.95	0.86
F97-019-9-02700	27	1.65	1.73	2.13	0.63	1.14	0.90
F97-019-9-03000	30	1.81	1.73	2.13	0.67	1.14	0.95
F97-019-9-03200	32	1.93	1.73	2.21	0.75	1.18	1.06
F97-019-9-03600	36	2.13	1.73	2.21	0.79	1.18	1.21
F97-019-9-04100	41	2.40	1.73	2.48	0.91	1.34	1.50
F97-019-9-04600	46	2.64	1.73	2.48	0.98	1.34	1.87

Drahtfedersicherung für Nüsse mit $\frac{3}{4}$ " Antriebsvierkant

Retaining clips for sockets with $\frac{3}{4}$ " square drive

Code Nr./Code no

K00-002-4-50901

Norm-Sechskant-Nüsse mit 1 " Antriebsvierkant

Standard hexagonal sockets with 1 " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-025-9-02204	22	1.46	2.13	2.32	0.47	1.06	1.45
F97-025-9-02400	24	1.50	2.13	2.32	0.55	1.06	1.36
F97-025-9-02701	27	1.73	2.13	2.31	0.63	1.06	1.43
F97-025-9-03000	30	1.97	2.13	2.40	0.70	1.14	1.54
F97-025-9-03201	32	2.05	2.13	2.40	0.75	1.14	1.50
F97-025-9-03600	36	2.24	2.13	2.56	0.79	1.30	1.24
F97-025-9-04101	41	2.48	2.13	2.76	0.91	1.50	2.09
F97-025-9-04600	46	2.72	2.13	2.95	0.98	1.65	2.46
F97-025-9-05000	50	2.95	2.13	3.15	1.10	1.89	2.99
F97-025-9-05500	55	3.19	2.44	3.27	1.18	1.97	3.83
F97-025-9-06000	60	3.43	2.44	3.27	1.30	2.05	4.18
F97-025-9-06500	65	3.70	2.44	3.39	1.38	2.13	4.97
F97-025-9-07000	70	3.94	2.44	3.39	1.50	2.13	5.37
F97-025-9-07500	75	4.21	2.99	3.39	1.50	2.13	6.64

Drahtfedersicherung für Nüsse mit 1 " Antriebsvierkant

Retaining clips for sockets with 1 " square drive

Code Nr./Code no

K00-002-4-51001

Norm-Sechskant-Nüsse mit 1½ " Antriebsvierkant

Standard hexagonal sockets with 1½ " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-038-9-03600	36	2.48	3.31	3.31	0.83	1.42	5.06
F97-038-9-04100	41	2.76	3.31	3.31	0.91	1.42	5.28
F97-038-9-04600	46	2.99	3.31	3.43	0.98	1.58	5.28
F97-038-9-05000	50	3.18	3.31	3.54	1.10	1.69	5.28
F97-038-9-05500	55	3.39	3.39	3.54	1.18	1.85	5.94
F97-038-9-06000	60	3.70	3.39	3.74	1.38	2.01	6.82
F97-038-9-06500	65	3.90	3.39	3.94	1.38	2.21	7.70
F97-038-9-07000	70	4.13	3.39	4.13	1.58	2.40	8.80
F97-038-9-07500	75	4.41	3.39	4.33	1.65	2.60	10.12
F97-038-9-08000	80	4.69	3.39	4.33	1.65	2.60	11.66
F97-038-9-08500	85	4.92	3.39	4.72	1.97	2.95	14.08
F97-038-9-09000	90	5.16	3.39	4.72	1.97	2.95	14.74

Drahtfedersicherung für Nüsse mit 1½ " Antriebsvierkant

Retaining clips for sockets with 1½ " square drive

Code Nr./Code no

K00-002-4-51101

Norm-Sechskant-Nüsse mit 2½ " Antriebsvierkant

Standard hexagonal sockets with 2½ " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-064-9-08006	80	4.96	5.39	5.19	1.77	2.68	20.46
F97-064-9-08506	85	5.24	5.39	5.19	1.97	2.68	20.46
F97-064-9-09000	90	5.63	5.39	5.51	1.97	3.07	23.10
F97-064-9-09506	95	5.83	5.39	5.51	2.17	3.07	23.76
F97-064-9-10000	100	6.02	5.39	5.51	2.17	3.07	24.42
F97-064-9-10505	105	6.22	5.39	5.91	2.36	3.47	26.62
F97-064-9-11005	110	6.54	5.39	5.91	2.56	3.47	28.60
F97-064-9-11505	115	6.85	5.39	5.91	2.56	3.47	30.58
F97-064-9-12005	120	7.13	6.30	5.91	2.76	3.47	37.18
F97-064-9-12506	125	7.36	6.30	5.91	2.95	3.47	38.50
F97-064-9-13000	130	7.68	6.30	6.69	2.95	4.17	47.30
F97-064-9-13500	135	7.96	6.30	6.69	3.15	4.17	49.50
F97-064-9-14005	140	8.19	6.30	6.69	3.15	4.17	50.60
F97-064-9-14505	145	8.43	6.30	6.69	3.15	4.17	52.80
F97-064-9-15005	150	8.62	6.30	6.69	3.35	4.17	53.90
F97-064-9-15506	155	8.82	6.30	7.09	3.54	4.53	63.80

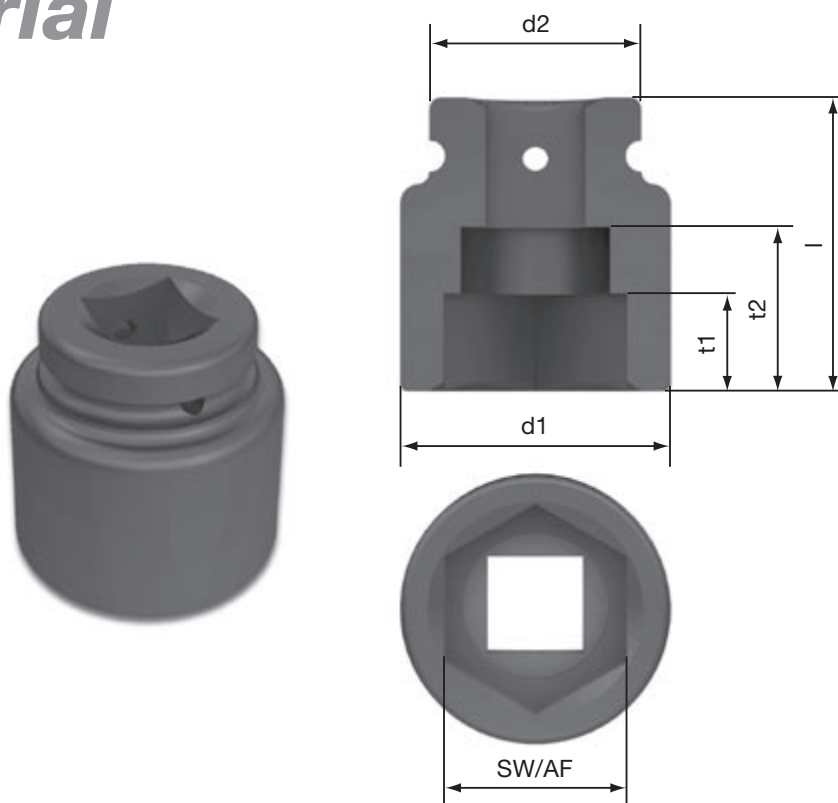
Norm-Sechskant-Nüsse mit 3½ " Antriebsvierkant

Standard hexagonal sockets with 3½ " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-089-9-12003	120	7.84	7.68	8.07	2.95	4.65	72.60
F97-089-9-12505	125	8.03	7.68	8.07	2.95	4.65	74.80
F97-089-9-13000	130	8.23	7.68	8.07	2.95	4.65	77.00
F97-089-9-13500	135	8.47	7.68	8.07	3.15	4.65	79.20
F97-089-9-14000	140	8.82	7.68	8.07	3.15	4.65	81.40
F97-089-9-14500	145	8.94	7.68	8.07	3.15	4.65	83.60
F97-089-9-15000	150	9.17	7.68	8.07	3.35	4.65	85.80
F97-089-9-15500	155	9.41	7.68	8.07	3.35	4.65	88.00
F97-089-9-16000	160	9.65	7.68	9.06	3.54	5.59	94.60
F97-089-9-16500	165	9.88	7.68	9.06	3.74	5.59	105.60
F97-089-9-17000	170	10.12	7.68	9.06	3.74	5.59	107.80
F97-089-9-17500	175	10.35	7.68	9.06	3.94	5.59	110.00
F97-089-9-18000	180	10.63	9.06	9.84	4.72	6.38	151.80

Norm-Sechskant-Nüsse, imperial

Standard hexagonal sockets, imperial



Norm-Sechskant-Nüsse mit 3/4 " Antriebsvierkant

Standard hexagonal sockets with 3/4 " square drive

Code Nr./ Code no	SW/AF (inch)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-019-9-01900	3/4	1.26	1.73	1.97	0.43	0.95	0.84
	13/16	1.38	1.73	1.97	0.47	0.95	0.88
	7/8	1.38	1.73	1.97	0.47	0.95	0.88
	15/16	1.54	1.73	1.97	0.55	0.95	0.88
	1	1.54	1.73	1.97	0.55	0.95	0.88
F97-019-9-02700	1 1/16	1.65	1.73	2.13	0.63	1.14	0.90
	1 1/8	1.73	1.73	2.13	0.67	1.14	0.92
F97-019-9-03000	1 3/16	1.81	1.73	2.13	0.67	1.14	0.95
	1 1/4	1.93	1.73	2.21	0.75	1.18	1.06
	1 5/16	2.01	1.73	2.21	0.75	1.18	1.14
F97-019-9-03509	1 3/8	2.09	1.73	2.21	0.79	1.18	1.14
	1 7/16	2.21	1.73	2.28	0.83	1.26	1.28
F97-019-9-03800	1 1/2	2.24	1.73	2.28	0.83	1.26	1.36
	1 5/8	2.40	1.73	2.48	0.91	1.34	1.50
F97-019-9-04300	1 11/16	2.52	1.73	2.48	0.95	1.34	1.72
	1 3/4	2.60	1.73	2.48	0.98	1.34	1.76
F97-019-9-4600	1 13/16	2.64	1.73	2.48	0.98	1.34	1.87
	1 7/8	2.72	1.73	2.76	1.02	1.50	2.09
	2	2.80	1.73	2.76	1.18	1.50	2.20

Norm-Sechskant-Nüsse mit 1 " Antriebsvierkant

Standard hexagonal sockets with 1 " square drive

Code Nr./ Code no	SW/AF (inch)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
	15/16	1.50	2.13	2.32	0.55	1.06	1.36
	1	1.61	2.13	2.32	0.55	1.06	1.41
F97-025-9-02701	1 1/16	1.73	2.13	2.32	0.63	1.06	1.43
	1 1/8	1.85	2.13	2.40	0.63	1.14	1.50
F97-025-9-03000	1 3/16	1.97	2.13	2.40	0.70	1.14	1.54
	1 1/4	2.05	2.13	2.40	0.75	1.14	1.50
	1 5/16	2.13	2.13	2.40	0.75	1.14	1.52
	1 3/8	2.24	2.13	2.56	0.79	1.30	1.74
	1 7/16	2.28	2.13	2.56	0.83	1.30	1.69
F97-025-9-03800	1 1/2	2.32	2.13	2.56	0.83	1.30	1.80
	1 5/8	2.48	2.13	2.76	0.91	1.50	2.09
F97-025-9-04300	1 11/16	2.52	2.13	2.76	0.95	1.58	2.09
	1 3/4	2.64	2.13	2.76	0.95	1.58	2.24
F97-025-9-04600	1 13/16	2.72	2.13	2.95	0.98	1.65	2.46
	1 7/8	2.84	2.13	2.95	1.02	1.69	2.66
	2	2.99	2.13	3.15	1.18	1.89	3.08
	2 1/16	3.07	2.13	3.15	1.18	1.89	3.19
	2 1/4	3.35	2.44	3.27	1.18	2.05	4.14
	2 3/8	3.43	2.44	3.27	1.30	2.05	4.18
	2 7/16	3.58	2.44	3.39	1.38	2.09	4.40
F97-025-9-06500	2 9/16	3.70	2.44	3.39	1.38	2.13	4.97
	2 5/8	3.78	2.44	3.39	1.50	2.13	5.07
F97-025-9-07000	2 3/4	3.94	2.44	3.39	1.50	2.13	5.37

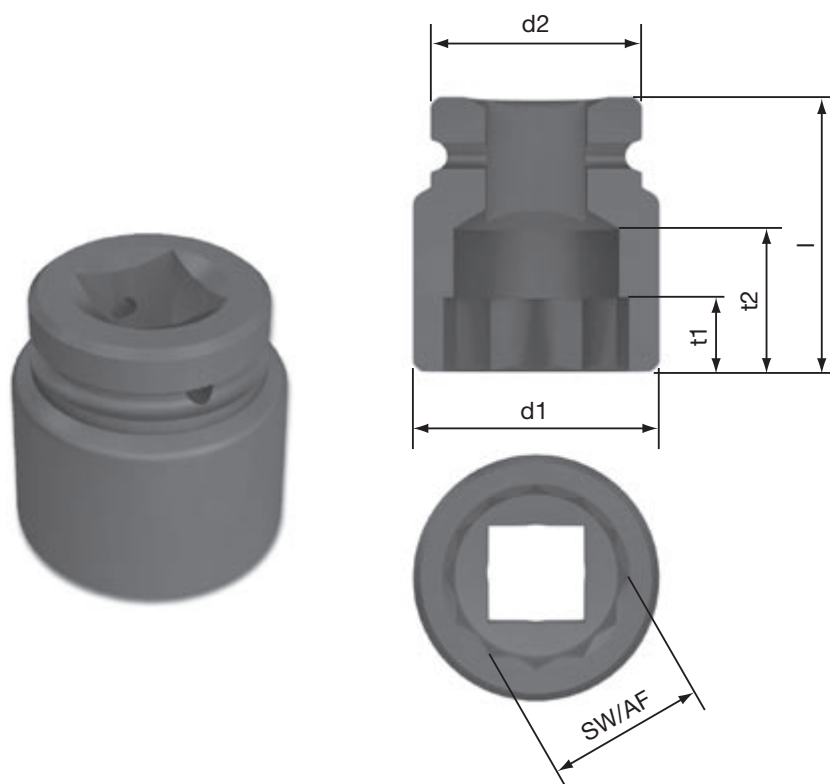
Norm-Sechskant-Nüsse mit 1½ " Antriebsvierkant

Standard hexagonal sockets with 1½ " square drive

Code Nr./ Code no	SW/AF (inch)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-038-9-03511	1 3/8	2.40	3.31	3.15	0.79	1.42	4.62
F97-038-9-03811	1 1/2	2.56	3.31	3.31	0.83	1.42	5.06
	1 5/8	2.76	3.31	3.31	0.91	1.42	5.28
F97-038-9-04311	1 11/16	2.87	3.31	3.31	0.95	1.42	5.28
	1 3/4	2.95	3.31	3.39	0.98	1.58	5.28
F97-038-9-04600	1 13/16	2.99	3.31	3.39	0.98	1.58	5.28
	1 7/8	3.07	3.31	3.39	1.02	1.58	5.28
	2	3.23	3.31	3.54	1.18	1.70	5.28
	2 1/16	3.27	3.31	3.54	1.18	1.70	5.50
	2 3/16	3.43	3.39	3.74	1.18	2.01	6.38
	2 1/4	3.54	3.39	3.74	1.18	2.01	6.38
	2 3/8	3.70	3.39	3.74	1.38	2.01	6.82
	2 7/16	3.78	3.39	3.94	1.38	2.01	7.26
F97-038-9-06500	2 9/16	3.90	3.39	3.94	1.38	2.21	7.70
	2 5/8	4.02	3.39	4.13	1.58	2.40	8.36
F97-038-9-07000	2 3/4	4.13	3.39	4.13	1.58	2.40	8.80
	2 13/16	4.21	3.39	4.33	1.65	2.60	9.24
	3	4.57	3.39	4.33	1.65	2.60	10.78
	3 1/8	4.69	3.39	4.33	1.65	2.60	11.88
	3 3/8	4.92	3.39	4.72	1.97	2.95	13.64
	3 1/2	5.12	3.39	4.72	1.97	2.95	14.74
	3 3/4	5.55	4.02	5.19	2.17	3.27	19.14
	2 7/8	5.67	4.02	5.19	2.17	3.27	19.58

Norm-Doppelsechskant-Nüsse

Double hexagonal sockets



Norm-Doppelsechskant-Nüsse mit 3/4 " Antriebsvierkant

Double hexagonal sockets with 3/4 " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-019-9-02401	24	1.54	1.73	1.97	0.55	0.95	0.86
F97-019-9-02704	27	1.65	1.73	2.13	0.63	1.14	0.90
F97-019-9-03004	30	1.81	1.73	2.13	0.67	1.14	0.95
F97-019-9-03201	32	1.93	1.73	2.21	0.75	1.18	1.06
F97-019-9-03604	36	2.13	1.73	2.21	0.79	1.18	1.21
F97-019-9-04104	41	2.40	1.73	2.48	0.91	1.34	1.50
F97-019-9-04604	46	2.67	1.73	2.48	0.98	1.34	1.87

Norm-Doppelsechskant-Nüsse mit 1 " Antriebsvierkant

Double hexagonal sockets with 1 " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-025-8-02210	22	1.46	2.13	2.32	0.47	1.06	1.45
F97-025-8-02410	24	1.50	2.13	2.32	0.55	1.06	1.36
F97-025-8-02710	27	1.73	2.13	2.32	0.63	1.06	1.43
F97-025-8-03010	30	1.97	2.13	2.40	0.67	1.14	1.54
F97-025-8-03200	32	2.05	2.13	2.40	0.75	1.14	1.50
F97-025-8-03610	36	2.24	2.13	2.56	0.79	1.30	1.67
F97-025-8-04110	41	2.48	2.13	2.76	0.91	1.50	2.09
F97-025-8-04600	46	2.72	2.13	2.95	0.98	1.65	2.46
F97-025-8-05010	50	2.95	2.13	3.15	1.10	1.89	2.99
F97-025-8-05510	55	3.19	2.44	3.27	1.18	1.97	3.89
F97-025-8-06010	60	3.39	2.44	3.27	1.38	2.05	4.18
F97-025-8-06510	65	3.70	2.44	3.39	1.38	2.13	4.97
F97-025-8-07010	70	3.94	2.44	3.39	1.50	2.13	5.39
F97-025-8-07501	75	4.21	2.99	3.39	1.50	2.13	6.64

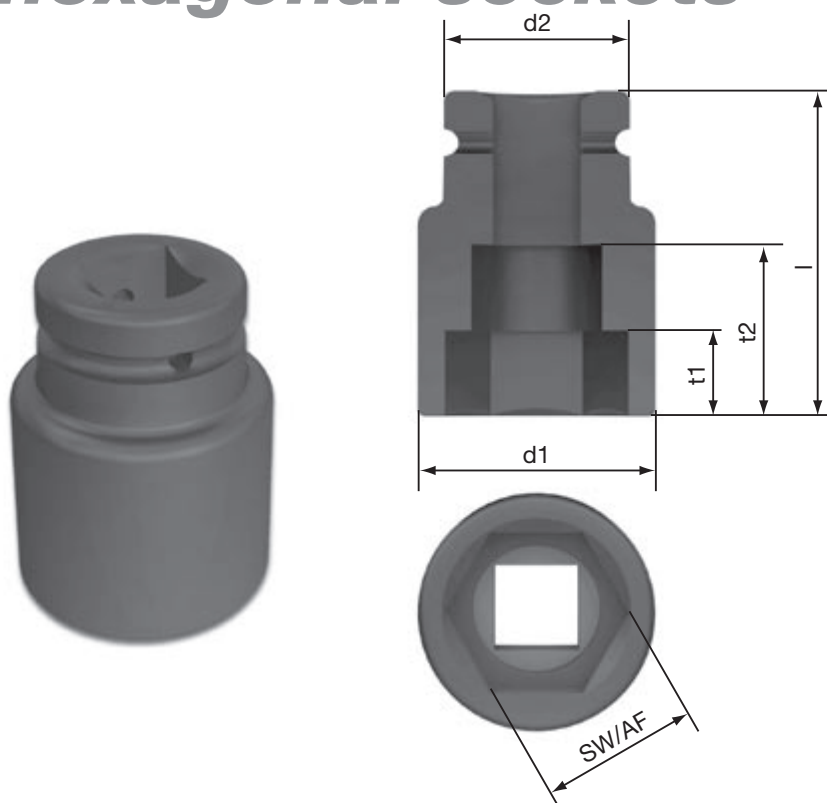
Norm-Doppelsechskant-Nüsse mit 1½ " Antriebsvierkant

Double hexagonal sockets with 1½ " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-038-8-04101	41	2.76	3.31	3.31	0.91	1.42	5.28
F97-038-8-04607	46	2.99	3.31	3.43	0.98	1.58	5.28
F97-038-8-05000	50	3.19	3.31	3.54	1.10	1.69	5.28
F97-038-8-05500	55	3.39	3.39	3.54	1.18	1.85	5.94
F97-038-8-06001	60	3.70	3.39	3.74	1.38	2.21	7.70
F97-038-8-06500	65	3.90	3.39	3.94	1.38	2.21	7.70
F97-038-8-07000	70	4.13	3.39	4.13	1.58	2.40	8.80
F97-038-8-07500	75	4.41	3.39	4.33	1.65	2.60	10.12
F97-038-8-08000	80	4.69	3.39	4.33	1.65	2.60	11.60
F97-038-8-08500	85	4.92	3.39	4.72	1.97	2.95	14.08
F97-038-8-09000	90	5.16	3.39	4.72	1.97	2.95	14.74

Lang-Sechskant-Nüsse

Long hexagonal sockets



Lang-Sechskant-Nüsse mit $\frac{3}{4}$ " Antriebsvierkant

Long hexagonal sockets with $\frac{3}{4}$ " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-019-9-02201	22	1.42	1.73	3.94	0.47	2.91	1.54
F97-019-9-02401	24	1.58	1.73	3.94	0.55	2.91	1.58
F97-019-9-02701	27	1.69	1.73	3.94	0.63	2.91	1.65
F97-019-9-03001	30	1.81	1.73	3.94	0.67	2.91	1.83
F97-019-9-03201	32	1.93	1.73	3.94	0.75	2.91	1.96
F97-019-9-03601	36	2.13	1.73	3.94	0.79	2.91	2.29
F97-019-9-04101	41	2.40	1.73	3.94	0.98	2.84	3.30
F97-019-9-04601	46	2.64	1.73	3.94	0.98	2.84	3.30

Lang-Sechskant-Nüsse mit 1 " Antriebsvierkant

Long hexagonal sockets with 1 " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-025-9-02401	24	1.54	2.13	3.94	0.55	2.68	1.96
F97-025-9-02701	27	1.77	2.13	3.94	0.63	2.68	2.18
F97-025-9-03001	30	2.01	2.13	3.94	0.67	2.68	2.53
F97-025-9-03206	32	2.09	2.13	3.94	0.75	2.68	2.57
F97-025-9-03601	36	2.24	2.13	3.94	0.79	2.68	2.60
F97-025-9-04105	41	2.48	2.13	3.94	0.91	2.64	3.10
F97-025-9-04610	46	2.72	2.13	4.53	0.98	3.23	4.07
F97-025-9-05001	50	2.95	2.13	4.92	1.10	3.66	4.88
F97-025-9-05501	55	3.19	2.44	4.92	1.18	3.66	5.87
F97-025-9-06001	60	3.43	2.44	4.92	1.30	3.66	6.38
F97-025-9-06501	65	3.70	2.44	5.32	1.38	4.13	7.99
F97-025-9-07001	70	3.94	2.44	5.32	1.50	4.13	8.80
F97-025-9-07501	75	4.21	2.44	5.32	1.50	4.13	10.74

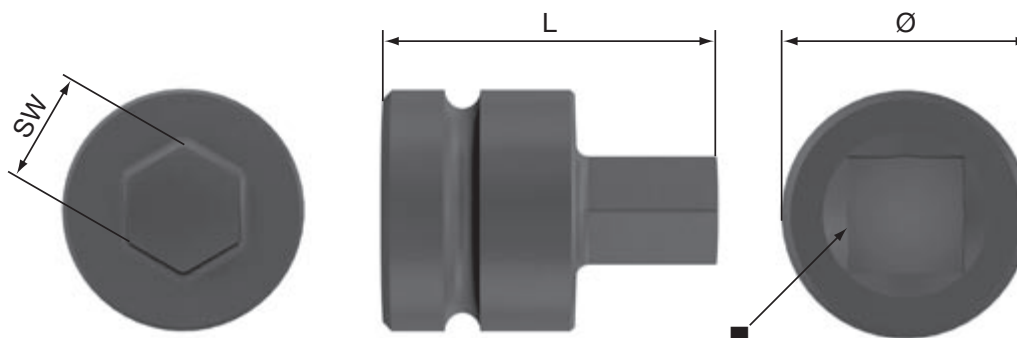
Lang-Sechskant-Nüsse mit 1½ " Antriebsvierkant

Long hexagonal sockets with 1½ " square drive

Code Nr./ Code no	SW/AF (mm)	d1 (inch)	d2 (inch)	l (inch)	t1 (inch)	t2 (inch)	Gewicht/weight (lbs)
F97-038-9-04101	41	2.76	3.31	5.91	1.06	4.17	8.14
F97-038-9-04601	46	3.03	3.31	5.91	1.14	4.17	8.58
F97-038-9-05001	50	3.19	3.31	5.91	1.26	4.17	8.58
F97-038-9-05501	55	3.39	3.39	5.91	1.38	4.17	9.02
F97-038-9-06001	60	3.70	3.39	5.91	1.54	4.17	10.34
F97-038-9-06501	65	3.90	3.39	5.91	1.61	4.17	10.78
F97-038-9-07001	70	4.13	3.39	6.70	1.77	4.96	14.08
F97-038-9-07501	75	4.41	3.39	6.70	1.85	4.96	15.18
F97-038-9-08001	80	4.69	3.39	6.70	2.01	4.96	16.72
F97-038-9-08501	85	4.92	3.39	7.09	2.13	5.32	20.68
F97-038-9-09001	90	5.16	3.39	7.09	2.28	5.32	22.00

Außensechskant-Nüsse

Hex cap sockets



■ Inch	Code-Nr. Code no.	SW / A/F mm	L inch	Ø inch
1/2"	F97-013-0-00802	8	2.16	1.18
1/2"	F97-013-0-01002	10	2.16	1.18
1/2"	F97-013-0-01402	14	2.16	1.18

■ Inch	Code-Nr. Code no.	SW / A/F mm	L inch	Ø inch
3/4"	F97-019-0-01400	14	2.44	1.73
3/4"	F97-019-0-01700	17	2.44	1.73
3/4"	F97-019-0-01900	19	2.44	1.73
3/4"	F97-019-0-02200	22	2.44	1.73
3/4"	F97-019-0-02400	24	2.44	1.73
3/4"	F97-019-0-02700	27	2.44	1.73

■ Inch	Code-Nr. Code no.	SW / A/F mm	L inch	Ø inch
1"	F97-025-0-01700	17	2.95	2.13
1"	F97-025-0-01900	19	2.95	2.13
1"	F97-025-0-02200	22	2.95	2.13
1"	F97-025-0-02400	24	2.95	2.13
1"	F97-025-0-02700	27	2.95	2.13
1"	F97-025-0-03000	30	2.95	2.13
1"	F97-025-0-03200	32	2.95	2.13
1"	F97-025-0-03600	36	2.95	2.13
1"	F97-025-0-04600	46	2.95	2.13

■ Inch	Code-Nr. Code no.	SW / A/F mm	L inch	Ø inch
1 1/2"	F97-038-0-01900	19	4.13	3.38
1 1/2"	F97-038-0-02200	22	4.13	3.38
1 1/2"	F97-038-0-02400	24	4.13	3.38
1 1/2"	F97-038-0-02600	26	4.13	3.38
1 1/2"	F97-038-0-02700	27	4.13	3.38
1 1/2"	F97-038-0-03000	30	4.13	3.38
1 1/2"	F97-038-0-03200	32	4.13	3.38
1 1/2"	F97-038-0-03600	36	4.13	3.38
1 1/2"	F97-038-0-07000	70	4.13	3.38



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